Synology

USB Station 2 User's Guide

Based on DSM 3.1

Document ID 100509US2UGENU
Applied Models USB Station 2

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Introduction

Congratulations on your purchase of USB Station 2. USB Station 2 is a multi-functional Network-Attached Storage server, serving as a file-sharing center within your Intranet. Moreover, it is specially designed for a variety of purpose, allowing you to perform the following tasks with the web-based Synology DiskStation Manager:

Store and Share Files over the Internet

Windows users and Mac users can easily share files within the Intranet or through the Internet. Unicode language support makes sharing files in different languages from USB Station 2 simple.

Transfer Files via FTP

USB Station 2 provides FTP service with bandwidth restriction and anonymous login. To transfer data safely, FTP over SSL/TLS and uninvited IP auto-block are also available.

Manage Files with Web-Based File Browser

One of Synology DiskStation Manager's applications, File Browser, can make it possible for users to manage their files on USB Station 2 easily through a web interface. If you want to manage files through a customized port, File Station is also available. You can also access the files stored on USB Station 2 with a mobile device.

Enjoy Entertainment Content on the Server

Download Station allows you to download files from the Internet through BitTorrent, FTP, HTTP, eMule and NZB to USB Station 2. Moreover, if you have an UPnP DMA connected in the LAN, you can share the multimedia files on USB Station 2[1]. If you just want to share and play music files stored on USB Station 2, you can enable iTunes Service, and enjoy the music through any iTunes clients on LAN.

Enjoy Music Anytime and Anywhere

Audio Station allows you to listen to music stored on USB Station 2, from a connected iPod, or even stream Internet Radio stations. In addition, you can stream music from USB Station 2 with a web browser over the Internet.

USB Print Server

You can share up to 2 USB 2.0 printers through the LAN.

Online Resources

Click on the links to obtain Synology's online resources.

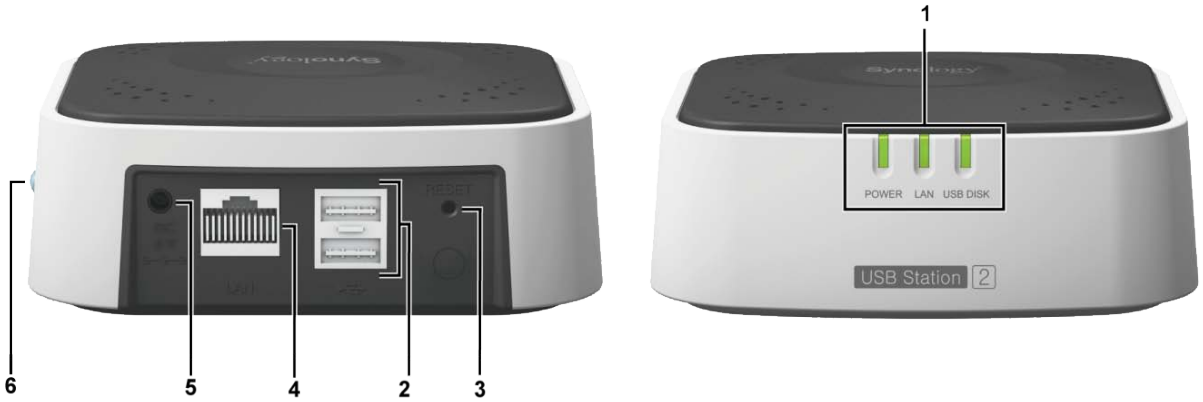
- **FAQ:** **www.synology.com/support/faq.php**
- **Wiki:** **forum.synology.com/wiki**
- **Forum:** **forum.synology.com**
- **Download Center:** **www.synology.com/support/download.php**
- **Technical Support:** **www.synology.com/support/support_form.php**

[1] For recommended peripheral models, including hard drive, USB printer, DMA, please visit **www.synology.com**.

Chapter

1

USB Station 2 at a Glance



No.	Article Name	Location	Description
1)	LED Indicators	Front Panel	The LED indicator is used to display the status of the external disk and the system. For more information, see "Appendix B: LED Indication Tables".
2)	USB Port	Back Panel	The USB ports are used for connecting USB storage devices, USB printers, or other USB devices.
3)	RESET Button	Back Panel	To restore system settings to default value.
4)	LAN Port	Back Panel	The LAN port is where you connect RJ-45 cable to USB Station 2.
5)	Power Port	Back Panel	The Power port is where you connect the AC adapter to USB Station 2.
6)	Eject Button	Side Panel	The Eject button is where you disconnect all USB devices.

Chapter

2

Get Started with DiskStation Manager

This chapter explains how to log in to USB Station 2's web-based management UI, **Synology DiskStation Manager (DSM)**, customize your own desktop, manage its taskbar, and use the **Main Menu** to access DSM settings and applications.

Set up USB Station 2

For more information setting up USB Station 2, see the **Quick Installation Guide** that came with your installation disc.

Log in to Synology DiskStation Manager

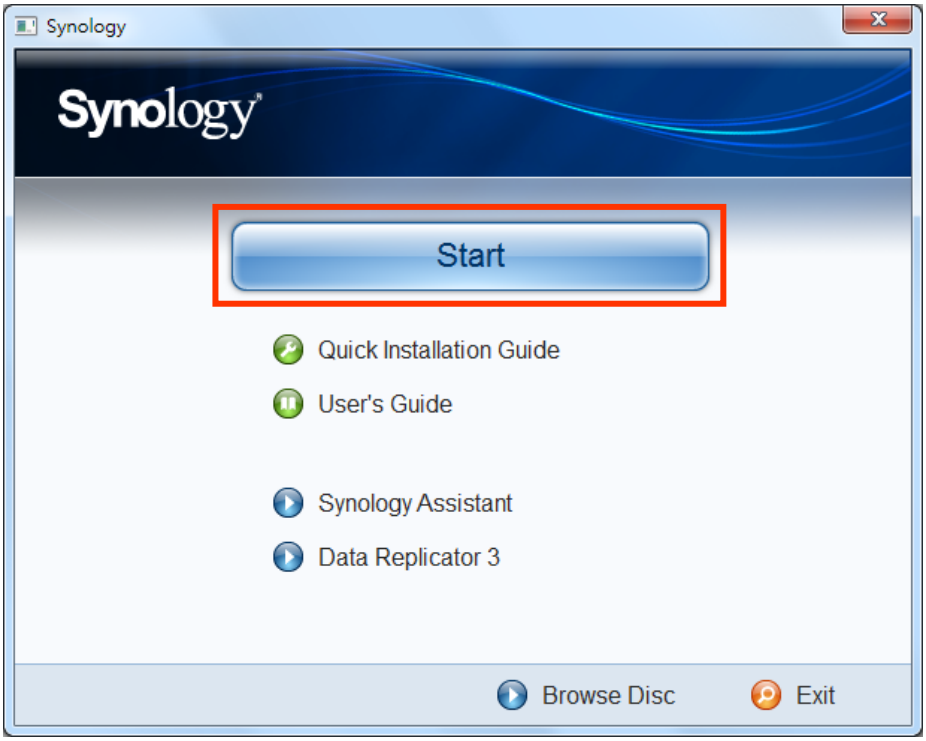
You can log in to DSM with Synology Assistant or with a web browser.

Use Synology Assistant

Windows User:

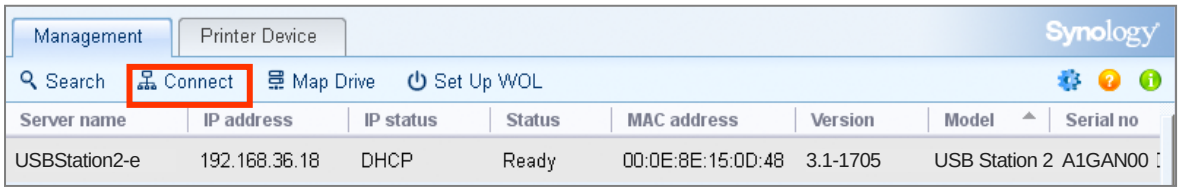
1 Insert the installation disc into the optical drive of your computer.

2 Choose **Start** from the autorun menu and follow the steps to complete installation.



3 After installation, double-click the desktop icon to launch Synology Assistant.

4 Choose the server you want to manage. Click **Connect** or double-click the selected server to go to DSM's login screen.

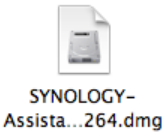


5 Enter your user name and password, and click **Login**. The default password for **admin** is empty.

Mac OS X User:

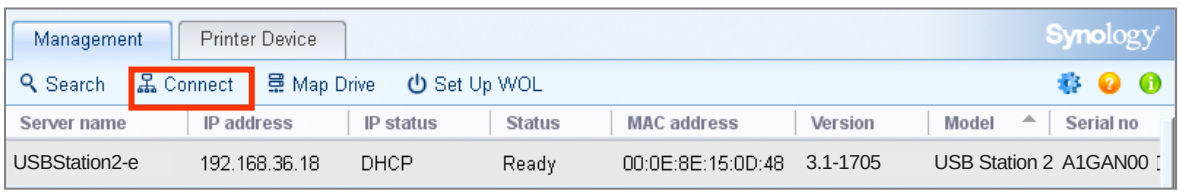
1 Insert the installation disc into the optical drive of your computer, and then double-click the **SynologyInstall** icon on the desktop.

2 Double-click the **MacOSX** icon, and then double-click the **Synology Assistant-SYNOLOGY.dmg** icon.



3 Double-click the **Synology Assistant** icon to run setup wizard.

4 Choose the server you want to manage. Click **Connect** or double-click the selected server to go to DSM's login screen.

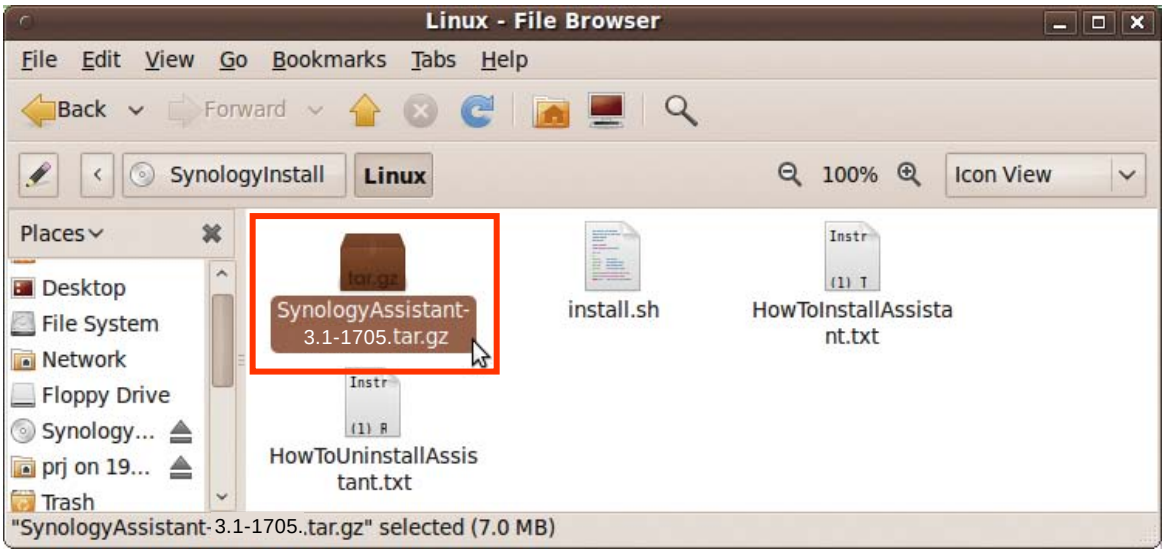


5 Enter your user name and password, and click **Login**. The default password for **admin** is empty.

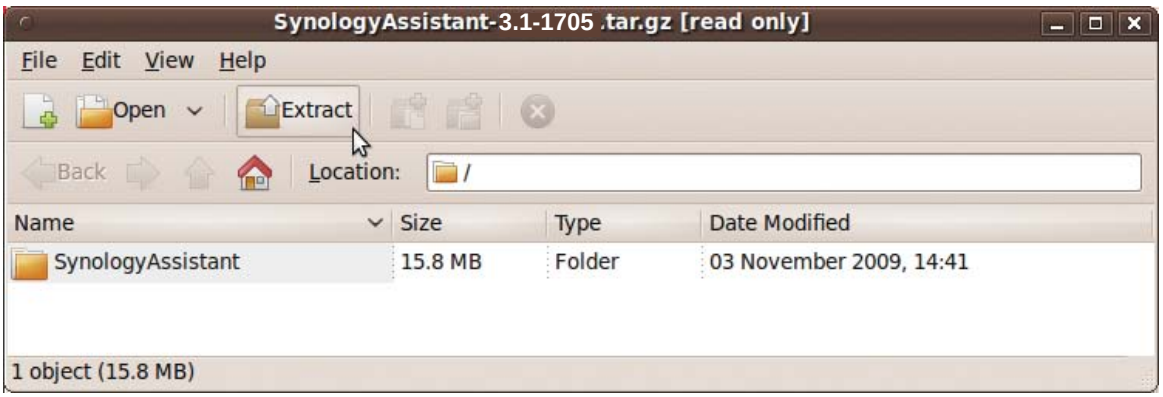
Linux (Ubuntu) User:

1 Insert the installation disc into the optical drive of your computer, and then double-click the **SynologyInstall** icon on the desktop.

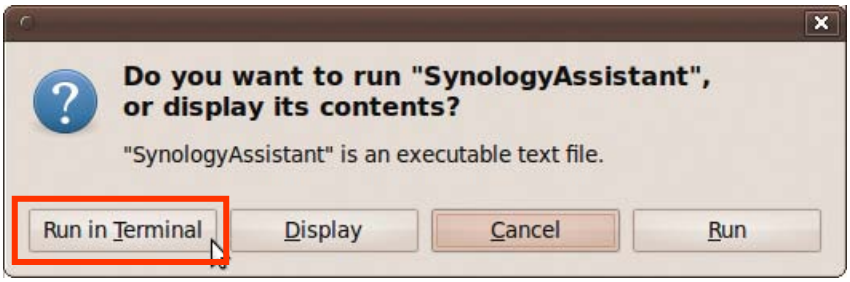
2 In the **File Browser** window that appears, double-click the **Linux** folder, and then double-click **Synology Assistant-[number].tar.gz**.



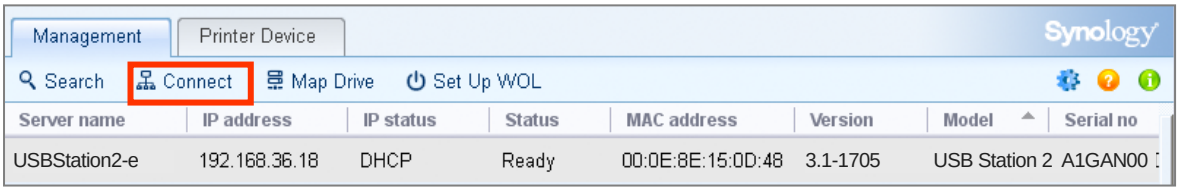
3 Click **Extract**, and then extract the **SynologyAssistant** directory to the path **/usr/local** or any other path.



4 Go to the path **/usr/local/SynologyAssistant** (or **[the path you just specified]/SynologyAssistant**), double-click **SynologyAssistant**, and then select **Run in Terminal** in the dialog box that appears.



5 Choose the server you want to manage. Click **Connect** or double-click the selected server to go to DSM's login screen.



6 Enter your user name and password, and click **Login**. The default password for **admin** is empty.

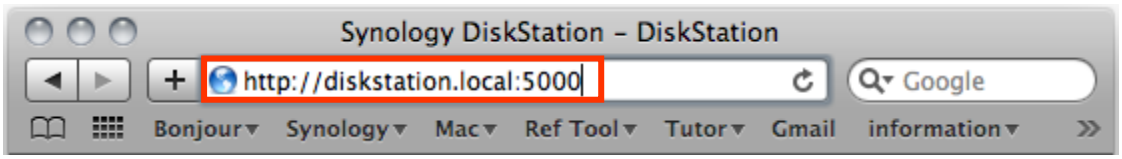
Use a Web Browser

1 Open a web browser window.

2 In the address field, enter any of the following:

- **http://Synology_Server_IP:5000**
- **http://Synology_Server_Name:5000/** (or **http://Synology_Server_Name.local:5000/** on a Mac)

Synology_Server_Name should be replaced with the name you set up for USB Station 2. The default **Synology_Server_Name** will be **USBStation**.



3 Press Enter (PC) or Return (Mac) on your keyboard.

4 Enter your user name and password, and click **Login**. The default password for **admin** is empty.

Note: To ensure your connection to DSM runs smoothly, please use the following browsers.

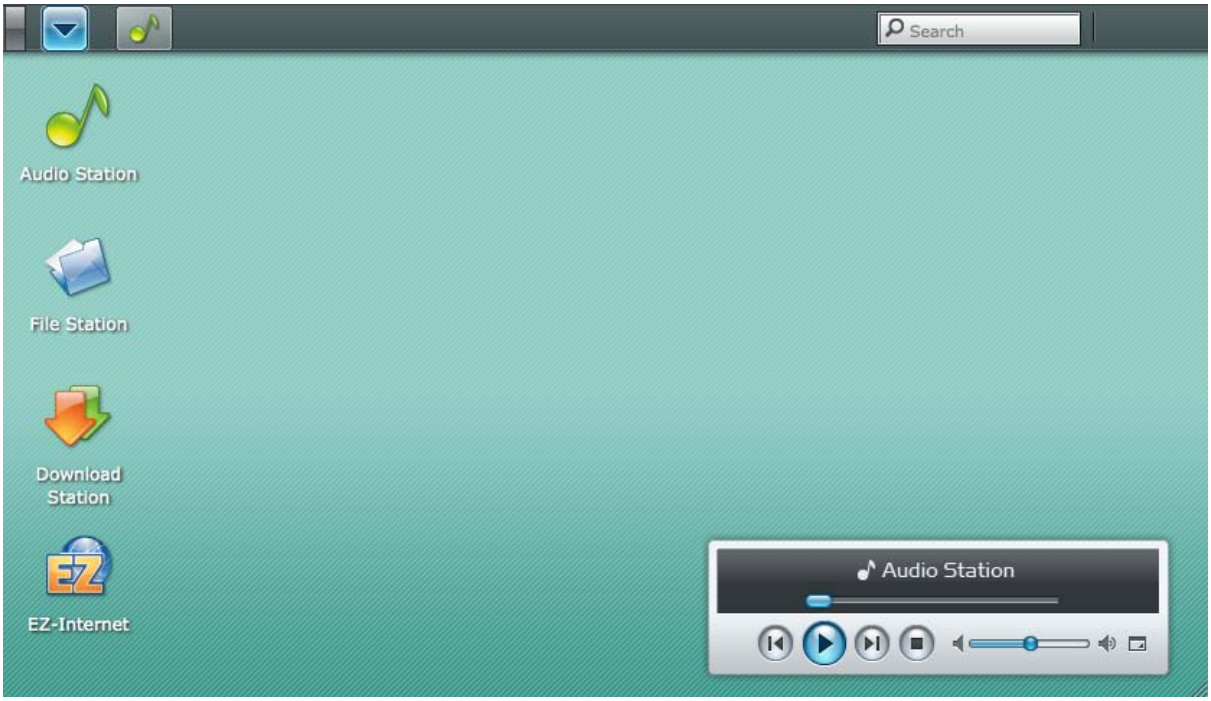
- **Chrome**
- **Firefox:** 3.5 or later
- **Safari:** 4.0 or later
- **Internet Explorer:** 7.0 or later

DiskStation Manager Appearance

When you log in to Synology DiskStation Manager (DSM), you can see the desktop and the taskbar.

Desktop and Shortcuts

The desktop is where your application windows are displayed. You can also create desktop shortcuts to frequently used applications.



To create a desktop shortcut to an application:
Drag its thumbnail from the **Main Menu** to the desktop.

To remove a desktop shortcut to an application:
Right-click the shortcut and choose **Remove shortcut**.

To open Audio Station or Download Station in a new browser window:
Right-click the application's **Main Menu** thumbnail or desktop shortcut and choose **Open in New Window**.

> ***Note:*** You can also customize your desktop background color with the **Desktop** function. See "Desktop" on Page 13 for more information.

Taskbar

The taskbar at the top of the desktop contains the following functions:

1 **The Show Desktop button:** Click to clear your application windows and reveal the desktop. Click again to bring the windows back to the desktop. For more information about application windows, see "Open Application" on Page 11.

2 **The Main Menu button:** Click to reveal the **Main Menu**. See "Manage DSM with the Main Menu" on Page 11 for more information.

3 **The icons of open applications:**

- Click the icon of an application to show or hide its window on the desktop.

- Right-click the icon and choose from the shortcut menu to manage the application window (**Maximize**, **Minimize**, **Restore**, **Close**) or its taskbar icon (**Pin to Taskbar**, **Unpin from Taskbar**).

4 **The search field:** Enter keywords to quickly find a list of relevant applications and **DSM Help** articles.

5 **The Notification button (with an exclamation mark):** Click to check the logs of important events. Click **Clear All** to remove all events and hide the **Notification** button.

> ***Note:*** For more information about system log, see "Log" on Page 111.

6 **The Upload Queue button:** Click to open the **File Task Monitor** window, where you can check the progress of all uploading and background tasks.

Manage DSM with the Main Menu

The **Main Menu** is where you can find all the applications and settings provided by Synology DiskStation Manager.

Logout and Restart

Click **Logout** or **Restart** at the bottom-right corner of the **Main Menu** to log out of DSM or restart USB Station 2 just like using any other operating systems.

Reorder Main Menu's Thumbnails

Open **Main Menu** and drag any thumbnail to any position you want. When you see the "+" icon, release to reposition the thumbnail.

Open Application Windows

In addition to the **Control Panel**, the **Main Menu** contains the thumbnails of all the other DSM applications. With DSM's multitasking ability, now you can open multiple application windows at the same time.

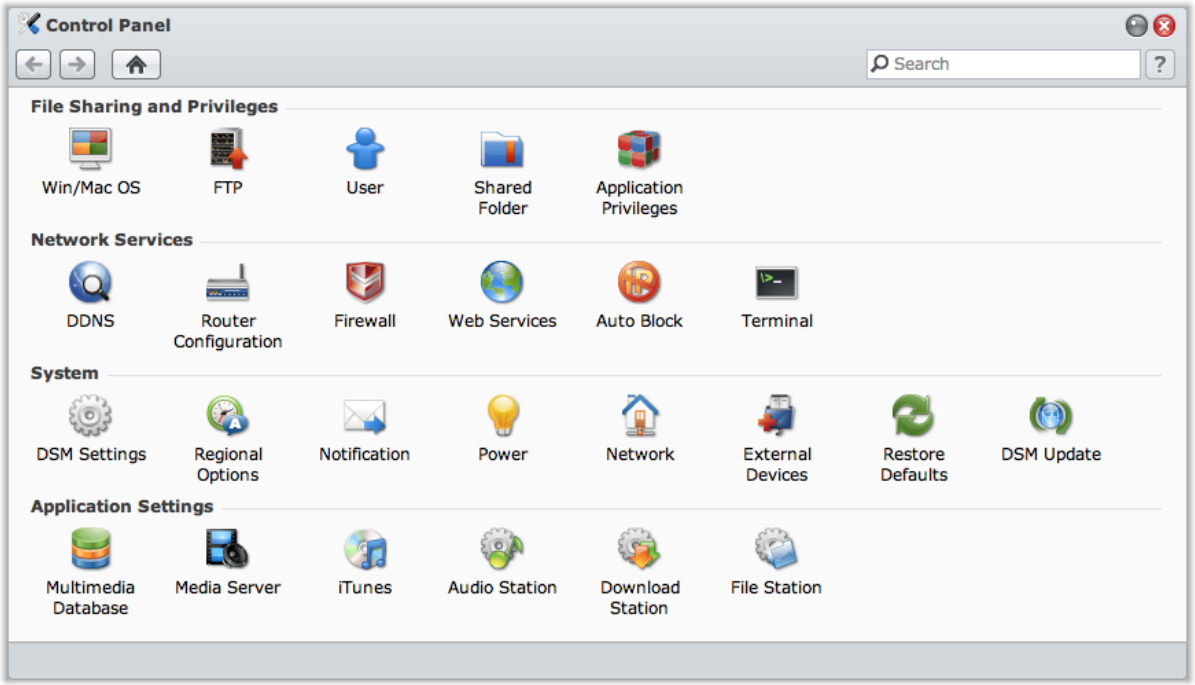
To open an application window:

Click any thumbnail of an application from the **Main Menu** to open the application window on the desktop and the application icon on the taskbar.

> ***Note:*** You can also open application windows through desktop shortcuts. See "Desktop and Shortcuts" on Page 10 for more information.

Use the Control Panel

Choose **Control Panel** from the **Main menu** to see the thumbnails of DSM settings.



The DSM settings on the Control Panel are grouped into the following categories:

- **File Sharing and Privileges**: Set up Win/Mac file sharing service, and assign application privileges for user accounts.
- **Network Services**: Manage and edit the settings for network services and Internet connection.
- **System**: Edit the basic settings on your USB Station 2.
- **Application Settings**: Enable the services of built-in applications.

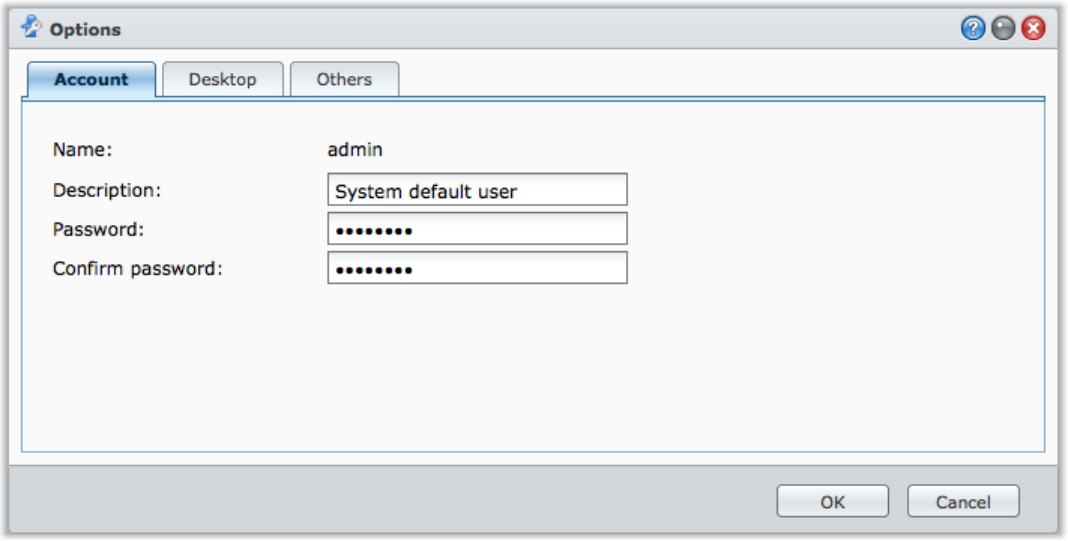
> ***Note:*** Control Panel is accessible only to **admin**.

Manage Personal Options

Click the **Options** button at the top-right corner of **Main Menu** to manage the following options for your DSM user account.

Account

Under **Account**, you can change your account's password and description.



To modify your account:

1 Enter a description for your account (optional).

2 If you want to change your account's password, enter the new one and confirm it.

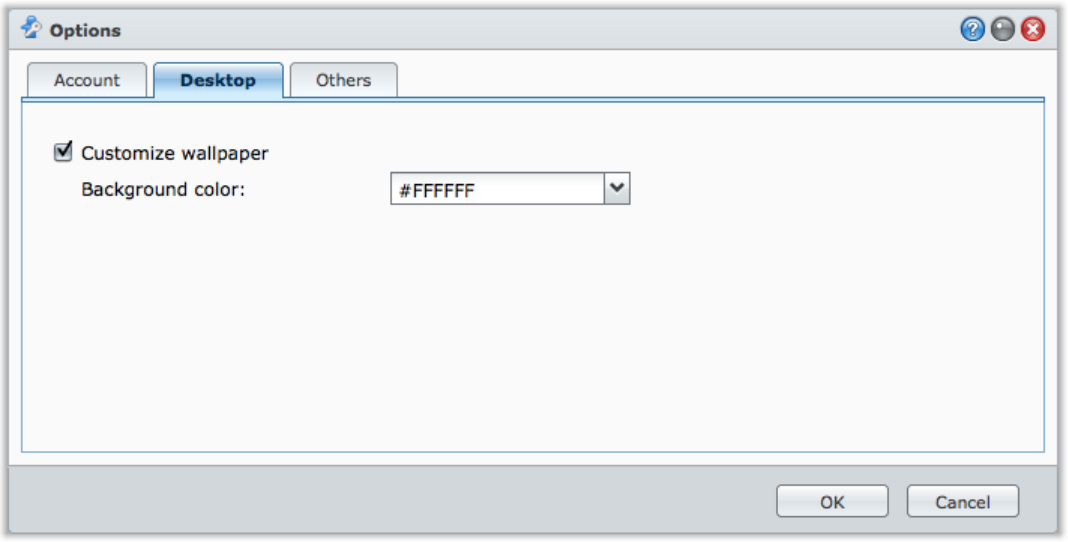
3 Click **OK**.

Limitations:

- The user description is case sensitive and can be 0 to 64 displayable Unicode characters.
- The password is case sensitive and should be 0 to 127 displayable characters, including letters, numbers, signs, and space.

Desktop

Under **Desktop**, you can customize desktop background color or wallpaper.



To choose a background color for your desktop:

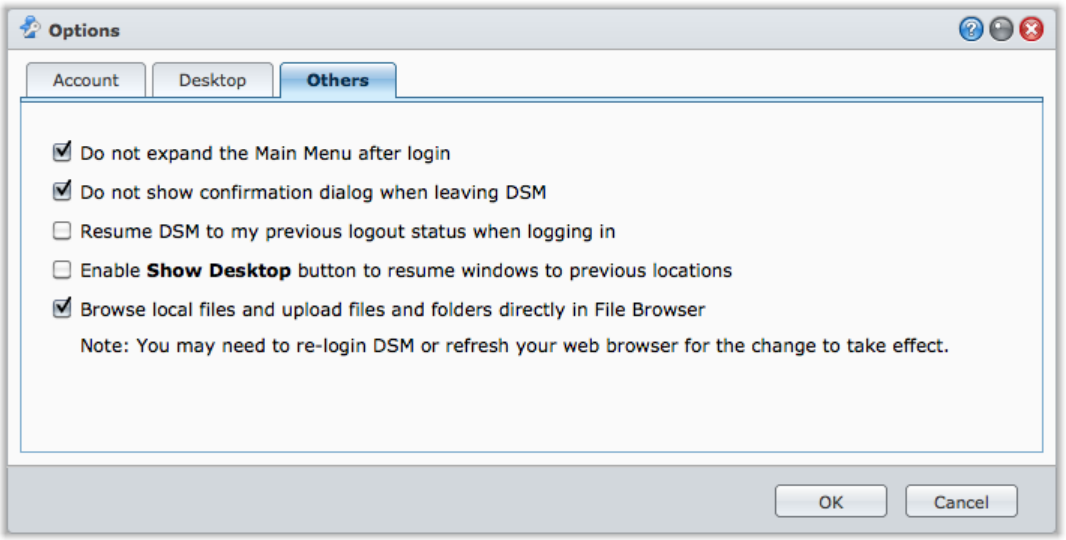
1 Tick **Customize Wallpaper**.

2 Choose a color from the **Background color** drop-down menu, or enter your own color value.

3 Click **OK**.

Others

Under **Others**, you can customize other personal options.


Options
Account
Desktop
Others
Do not expand the Main Menu after login
Do not show confirmation dialog when leaving DSM
Resume DSM to my previous logout status when logging in
Enable Show Desktop button to resume windows to previous locations
Browse local files and upload files and folders directly in File Browser
Note: You may need to re-login DSM or refresh your web browser for the change to take effect.
OK
Cancel

To decide whether to expand the application after login:

1 Tick **Do not expand the Main Menu after login**.

2 Click **OK**.

To skip the confirmation dialog when closing the browser window:

1 Tick **Do not show confirmation dialog when leaving DSM**.

2 Click **OK**.

To remember opened windows and restore them after the next login:

1 Tick **Resume DSM to previous logout status when logging in**.

2 Click **OK**.

To enable the Show Desktop button to restore windows after the windows are hidden:

1 Tick **Enable Show Desktop button to resume windows to previous locations**.

2 Click **OK**.

To browse computer files with File Browser:

1 Tick **Browse local files and upload files and folders directly in File Browser**.

2 Click **OK**.

Note:

- Enabling this option allows you to upload folders in File Browser.
- Browsing local files is not supported by Opera and Safari for Windows.

Chapter

3

Modify System Settings

After you have connected to Synology DiskStation Manager (DSM) and learned how to access its functions and customize its appearance, you can begin to modify its basic settings.

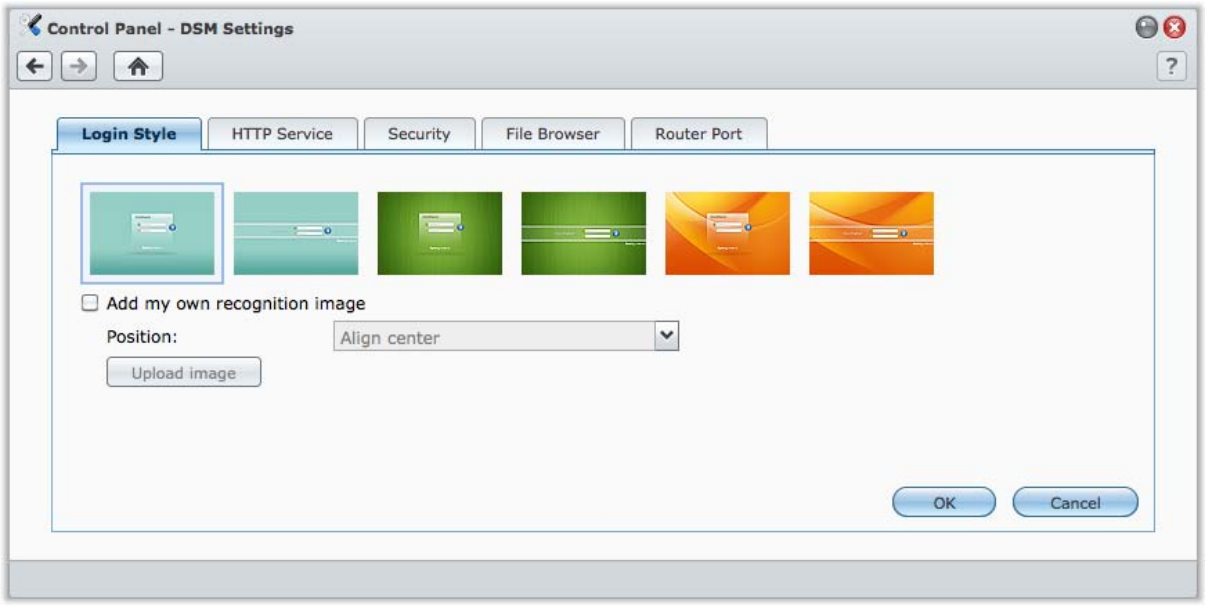
This chapter explains how to change the network settings, specify default languages, set up time, and use energy saving features.

Change DSM Settings

Go to **Main Menu** > **Control Panel** > **DSM Settings** to change the following DSM settings.

Login Style

Click the **Login Style** tab to modify the layout of DSM's login screen. You can also upload customized image file to show on the login page.



To change the style of login page:

There are 2 styles, both in 3 colors for you to choose from. Choose the style you like and click **OK**.

To display your own recognition image on the login page:

1 Tick **Add my own recognition image**.

2 Choose the position of the image.

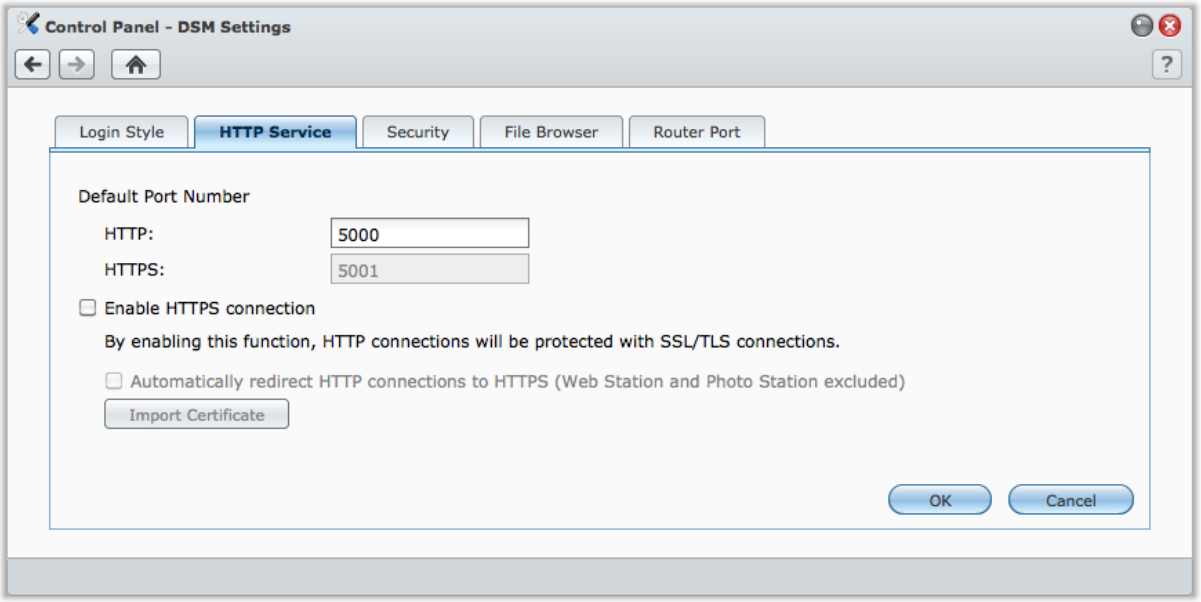
3 Click **Upload image** button and choose the image file you want to use as your recognition image.

4 Click **OK**.

> ***Note:*** The size of the image file must be less than 1 MB.

HTTP Service

Click the **HTTP Service** tab to change the port number or enable HTTPS connection.



To change the default HTTP or HTTPS port number (for DSM and Audio Station):

1 Enter the port number in the **HTTP** or **HTTPS** field.

2 Click **OK**.

To enable HTTPS connection:

1 Tick **Enable HTTPS connection**.

2 Click the optional **Import Certificate** or check **Automatically redirect HTTP connections to HTTPS**. (See the section below for more information.)

3 Click **OK**.

When the HTTPS connection is enabled, any connection to USB Station 2 via the HTTP protocol will be encrypted with the SSL/TLS encrypting mechanism.

More Information

About redirecting to HTTPS connection:

When the option **Automatically redirect HTTP connections to HTTPS** is checked, you will be redirected to port 5001 while trying to access the web management UI through port 5000.

Ports used for DSM's HTTPS connection:

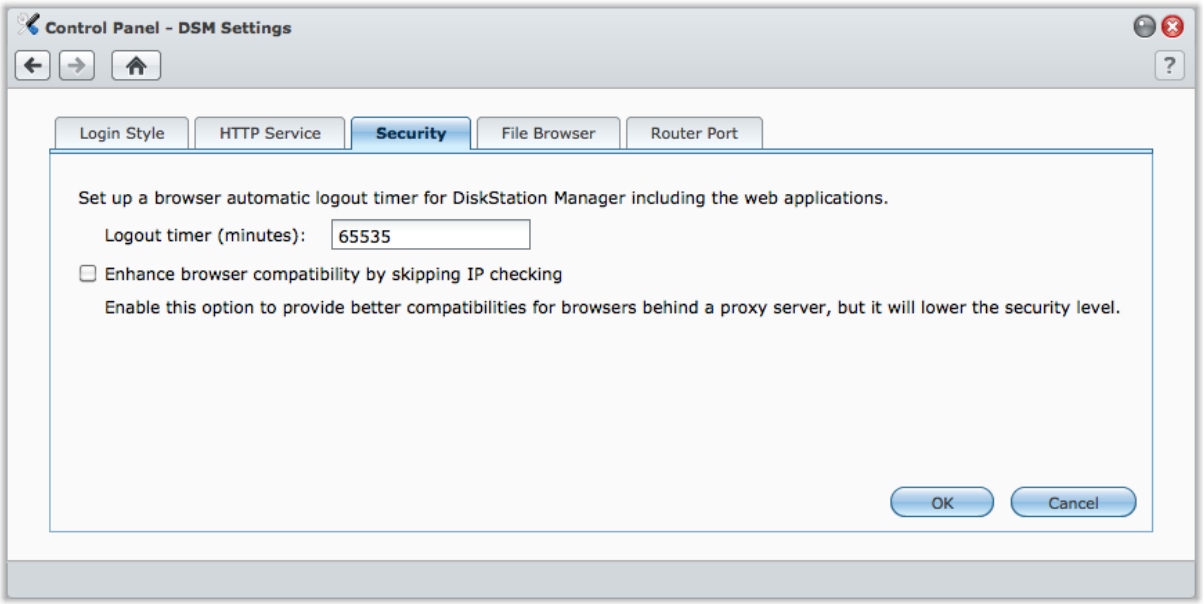
The port number is 5001, so you can access the management UI through the secure channel: https://Synology_Server_IP:5001/

About importing certificate:

If you have a certificate issued by the trusted Certificate Authority (CA), please click **Import Certificate** to upload your own certificate and private key in order to host a valid SSL server. The certificate should match the private key. **Please keep your private key safely.**

Security

Click the **security** tab to modify the security level for each DSM browsing session.


Control Panel - DSM Settings
Login Style
HTTP Service
Security
File Browser
Router Port
Set up a browser automatic logout timer for DiskStation Manager including the web applications.
Logout timer (minutes):
65535
Enhance browser compatibility by skipping IP checking
Enable this option to provide better compatibilities for browsers behind a proxy server, but it will lower the security level.
OK
Cancel

To set the logout timer:

1. Enter any value between 1 to 65535 in **Logout timer (minutes)** to specify the idle time period before the automatic logout.
2. Click **OK**.

An automatic logout occurs if you are inactive for the specified time period.

To skip IP checking:

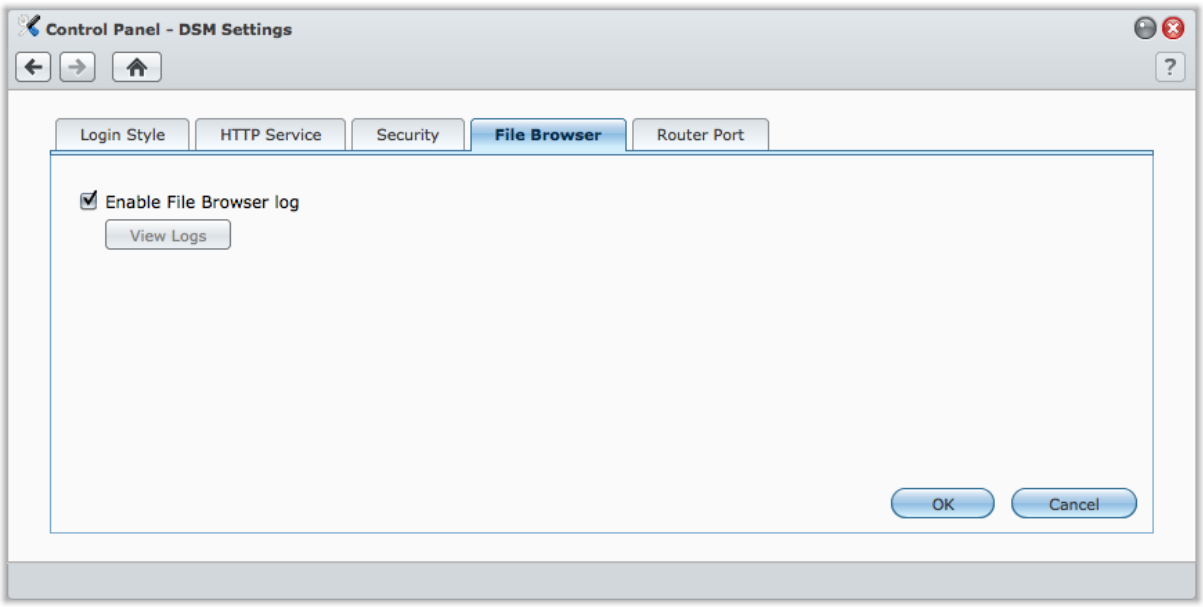
1. Tick **Enhance browser compatibility by skipping IP checking**.
2. Click **OK**.

If you access USB Station 2 through a HTTP proxy and encounter random logouts, you can skip IP checking to avoid this problem. Nonetheless, skipping IP checking will lower the security level.

Enable File Browser log

Click the **File Browser** tab to start monitoring the File Browser activities of all users, including **Upload**, **Download**, **Delete**, **Rename**, **Move**, **Copy** and **Property set**.

> ***Note:*** For more information about File Browser, see "Access Files via File Browser" on Page 50.



To enable File Browser log:

1 Tick **Enable File Browser log**.

2 Click **OK**.

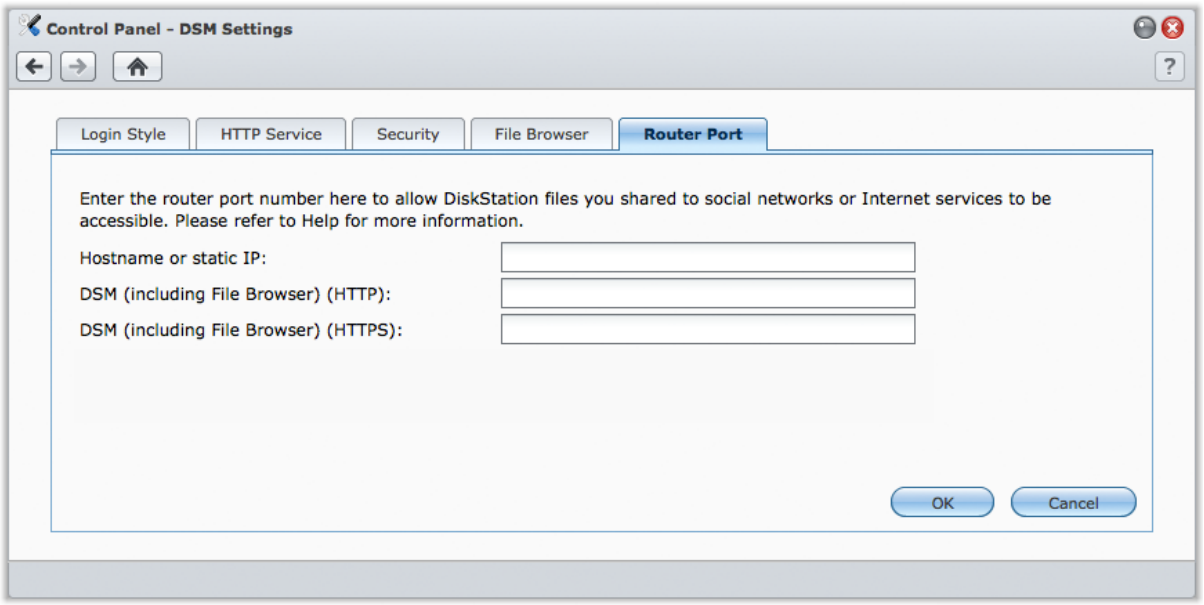
To see the File Browser log:

Click **View Logs**.

> ***Note:*** For more information about system logs, see "Log" on Page 111.

Enable Router Port Configuration

Click the **Router Port** tab to enable router port configuration. When you set up DSM's port forwarding rule on your router, if you specifies different port numbers for the router port (assigned on your router) and the local port (assigned on your USB Station 2), you need to enter the router port number here to make sure USB Station 2 files you shared to Internet services (such as Google docs) can be accessed successfully.


Control Panel - DSM Settings
Login Style
HTTP Service
Security
File Browser
Router Port
Enter the router port number here to allow DiskStation files you shared to social networks or Internet services to be accessible. Please refer to Help for more information.
Hostname or static IP:
DSM (including File Browser) (HTTP):
DSM (including File Browser) (HTTPS):
OK
Cancel

To enable router port configuration for DSM (including File Browser):

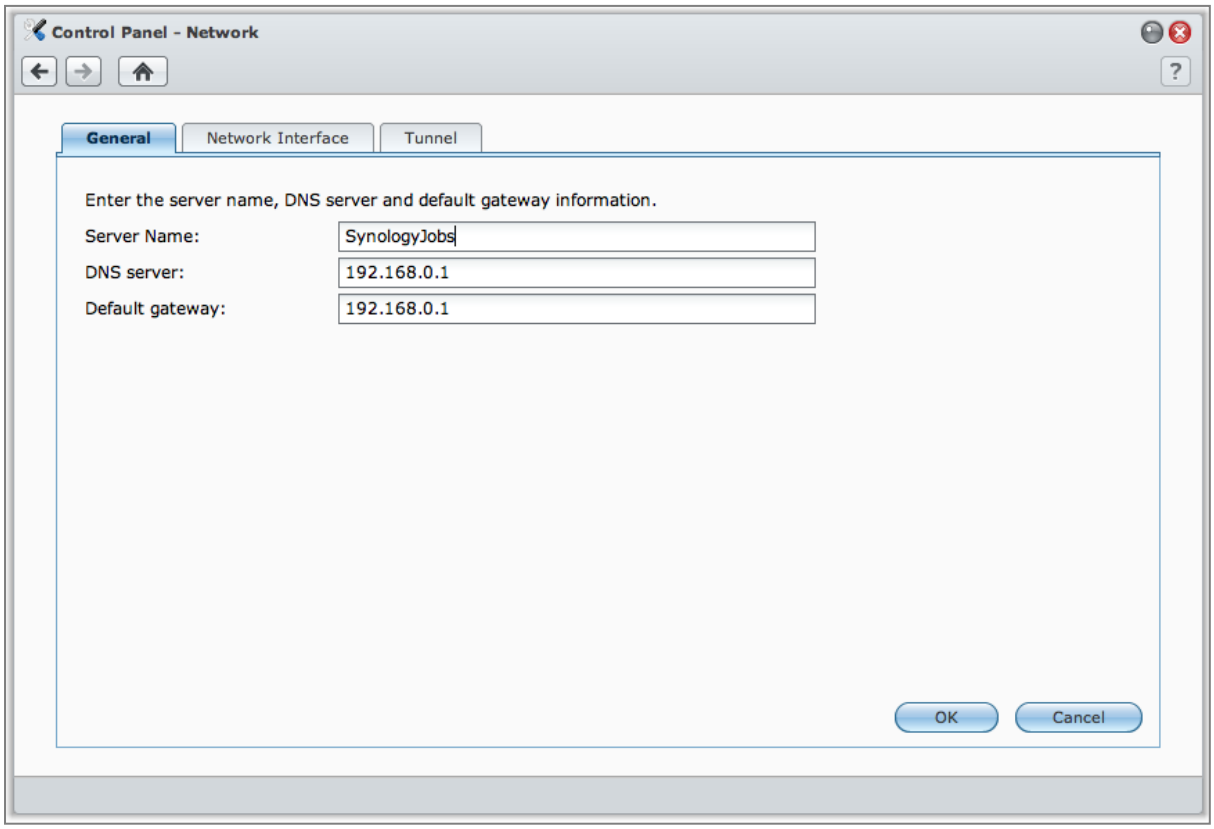
1. Enter the DNS hostname or public IP address of your USB Station 2 in the **Hostname or static IP** field.
2. Enter the router port number you specified when you set up DSM's port forwarding rule on your router in the **DSM (including File Browser) (HTTP)** or **DSM (including File Browser) (HTTPS)** field.
3. Click **OK**.

Change Network Settings

Go to **Main Menu** > **Control Panel** > **Network** to modify the network settings of your USB Station 2.

General

In this section, you can change your USB Station 2 identification on the network by entering a server name. You can also set up the domain name server and default gateway here.



To rename USB Station 2:

Enter the new server name in the **Server Name** field, and click **OK**.

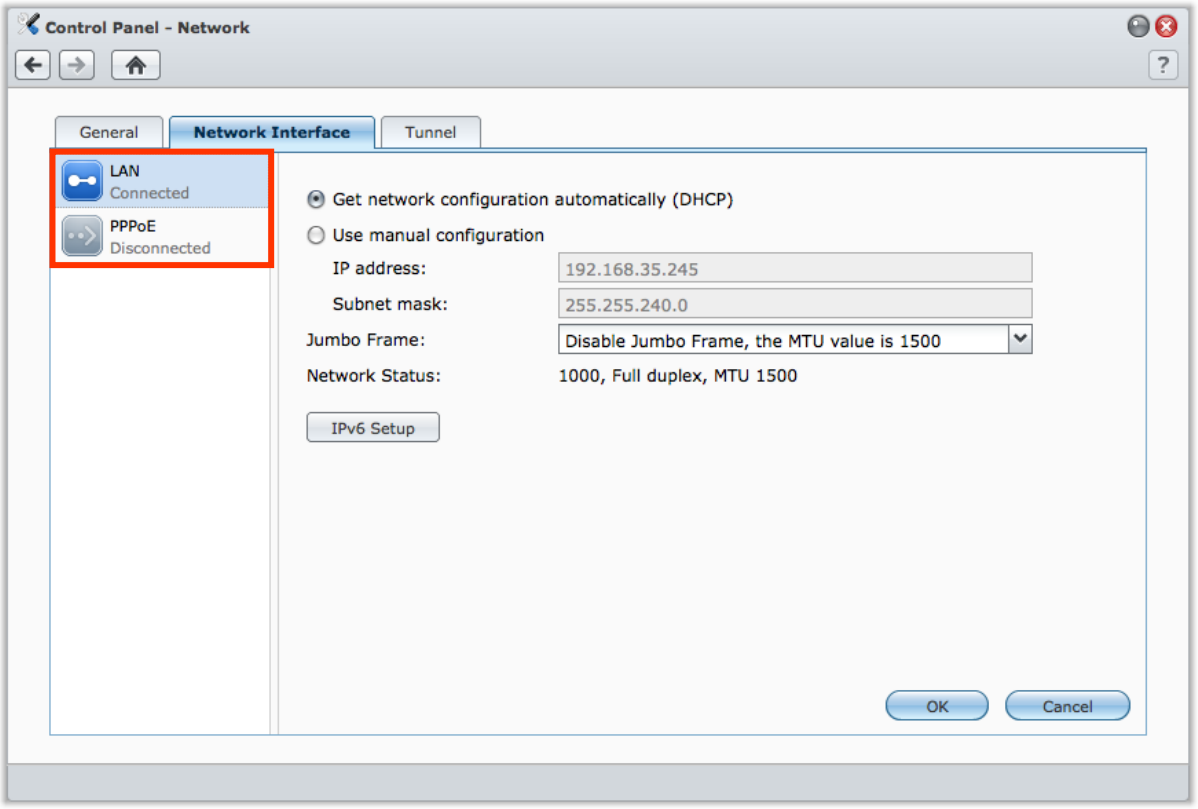
To set up domain name server and default gateway:

Enter the IP address in the **DNS server** and **Default gateway** fields, and click **OK**.

> ***Note:*** The **DNS Server** and **Default Gateway** fields will not be available for modification if all of your network interfaces are configured automatically, or if your USB Station 2 is connected to the Internet via PPPoE.

Network Interface

In this section, you can connect your USB Station 2 to the network via any of the following network interfaces.



LAN

If your USB Station 2 is connected to a local area network, you can click **LAN** on the left side to configure the network interface.

To decide how your USB Station 2 obtains IP address:

1 Choose either of the following:

- **Get network configuration automatically (DHCP)**: Get IP address automatically via DHCP.
- **Use manual configuration**: Manually enter the IP address, subnet mask, DNS, and gateway.

2 Click **OK**.

To set up IPv6:

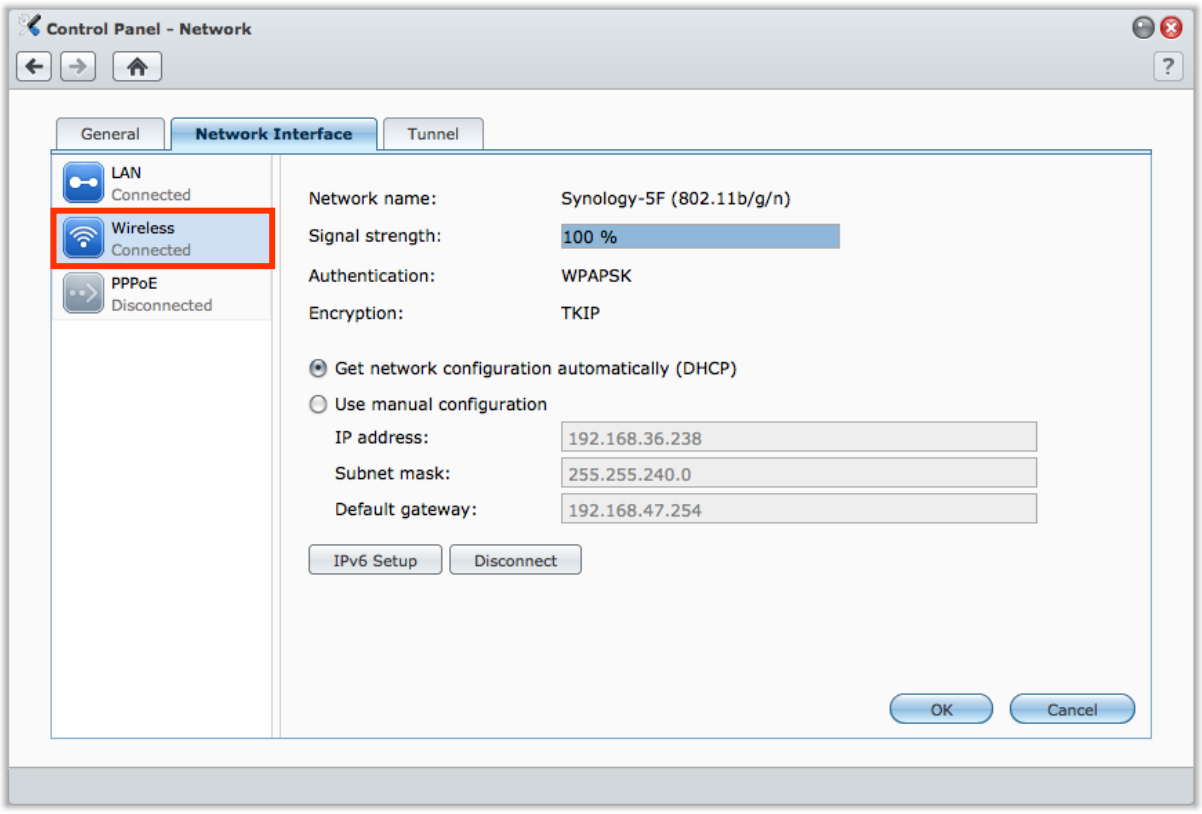
Click **IPv6 Setup**. See "IPv6 Setup" on Page 23 for more information.

Term Explanation
Jumbo Frames: Jumbo Frames are Ethernet frames with more than the standard 1500 bytes of Maximum Transmission Unit (MTU), allowing Ethernet transmission of large files to be more efficient. It can only be enabled under Gigabit network environment. To ensure Jumbo Frame works properly, all the computers and devices across the network accessing your USB Station 2 must support it and use the same MTU value.

Wireless Network

Click **Wireless** on the left side to connect USB Station 2 to a wireless network.

> ***Note:*** Wireless network is available only when a wireless dongle is plugged into the USB port of your USB Station 2.



To set up a wireless network:

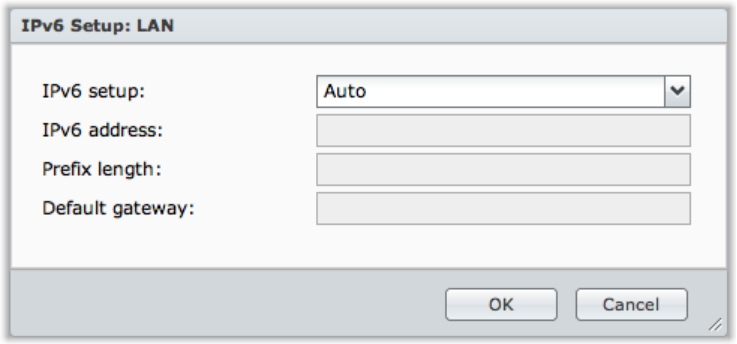
Click **Set up a wireless network** and choose from the following options (If you are already connected to a wireless network, click **Disconnect** first).

- **Join a wireless network**: The wizard will scan available wireless access points or Ad-Hoc networks with their signal strength and security status. If the access point you want to access is locked with password protection, the wizard will ask you to enter the password.
- **Connect to a hidden wireless network**: If an access point doesn't broadcast its SSID (Network Name) for privacy reason, it will not be discovered during the scanning. You can manually connect to those hidden access points by entering the required information manually.
- **Create an Ad-Hoc Network**: In addition to infrastructure network, in which a central access point (AP) bridges the wireless network to a wired Ethernet network, Ad-Hoc network is also widely used. In an Ad-Hoc network, all wireless devices within range of each other can communicate in a peer-to-peer fashion without a central access point. To set up an Ad-Hoc network, all wireless devices have to be configured for Ad-Hoc mode instead of the infrastructure mode.

> ***Note:*** For a list of compatible wireless dongles, visit **www.synology.com**.

IPv6 Setup

When you are configuring the **LAN** or **Wireless** interface, click the **IPv6 Setup** button to change the IPv6 settings.



USB Station 2 supports IPv4/IPv6 dual stack scheme. This means that both IPv4 and IPv6 can work simultaneously on USB Station 2. The default setting for IPv6 is **Auto**.

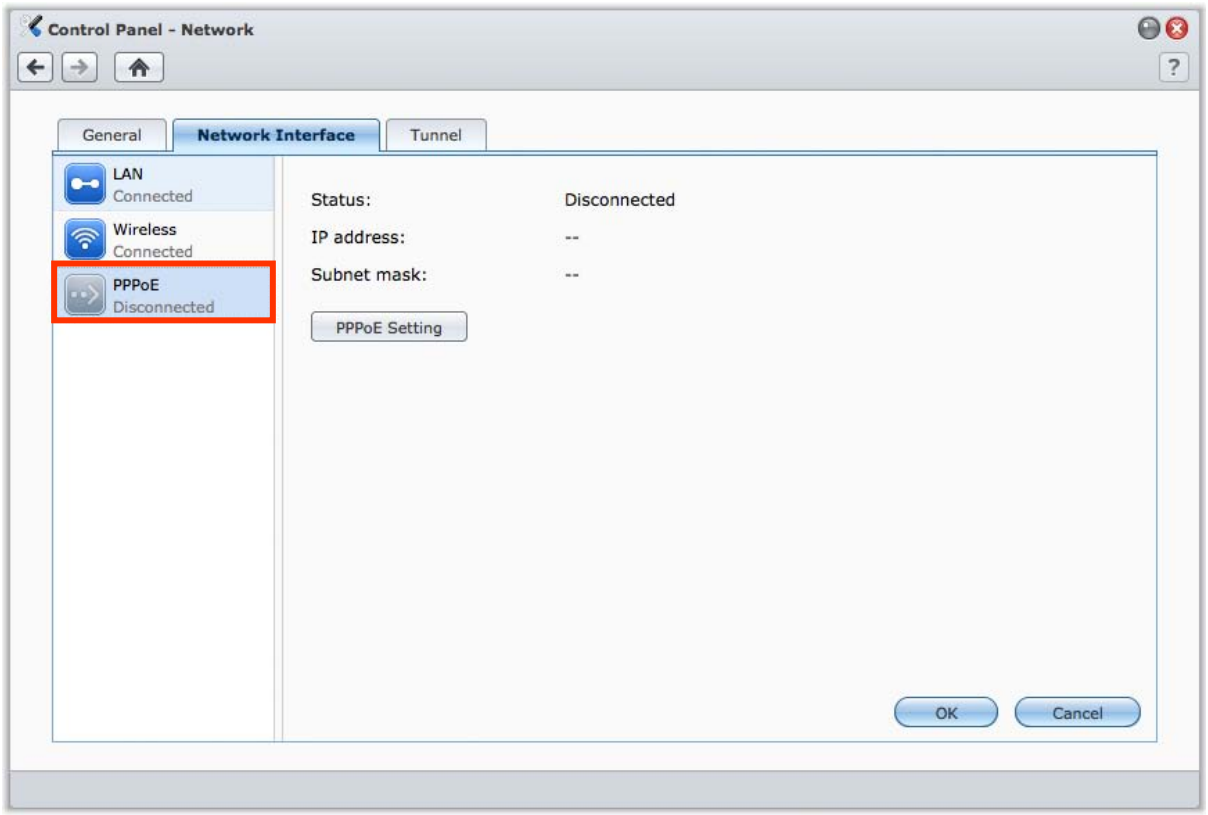
On the **IPv6 Setup** page, choose between the different setup types:

- **Auto**: USB Station 2 will automatically generate a local IPv6 address. This is generated based on USB Station 2's MAC address.
- **DHCP**: USB Station 2 will automatically get an IPv6 address from the DHCP server which supports IPv6.
- **Manual**: Set up IPv6 manually by entering **IPv6 address**, **Prefix length**, and **Default gateway**.
- **Off**: Disable IPv6 support.

> ***Note:*** If you want to join an IPv4 network environment with IPv6 address, you need to enable IPv6 Tunnel. See the section below for more information.

PPPoE

Click the **PPPoE** on the left side if your USB Station 2 is connecting to a DSL or cable modem, and your Internet Service Provider (ISP) uses PPPoE (Point to Point Protocol over Ethernet).



To connect to the Internet via PPPoE:

1 Click **PPPoE Setting**.

2 Enter the account information provided by your ISP.

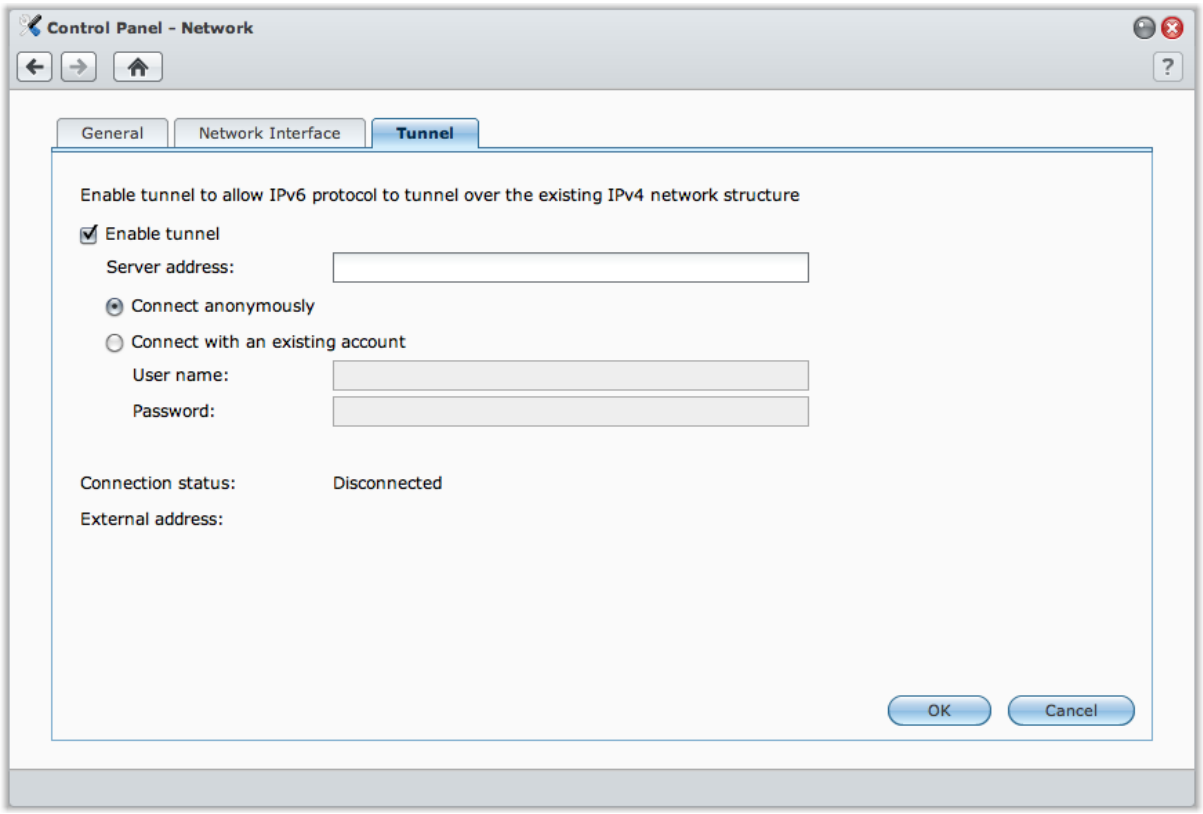
3 Click **OK**.

> ***Note:*** If you are still facing connection problems, contact your Internet Service Provider.

Tunnel

Tunnel is a technique that encapsulates IPv6 packets within IPv4 packets, allowing isolated IPv6 host or network to be compatible with IPv4 network backbone.

Click the **Tunnel** tab to allow your USB Station 2 to gain Internet access via IPv6 under the IPv4 environment.



To setup IPv6 Tunnel:

1 Tick **Enable tunnel**.

2 In **Server address**, enter the hostname or the IP of the tunnel service provider.

3 Select if you want to **Connect anonymously** or **Connect with an existing account**. If you choose the latter, please also enter **User name** and **Password**.

4 Click **OK** to save the settings.

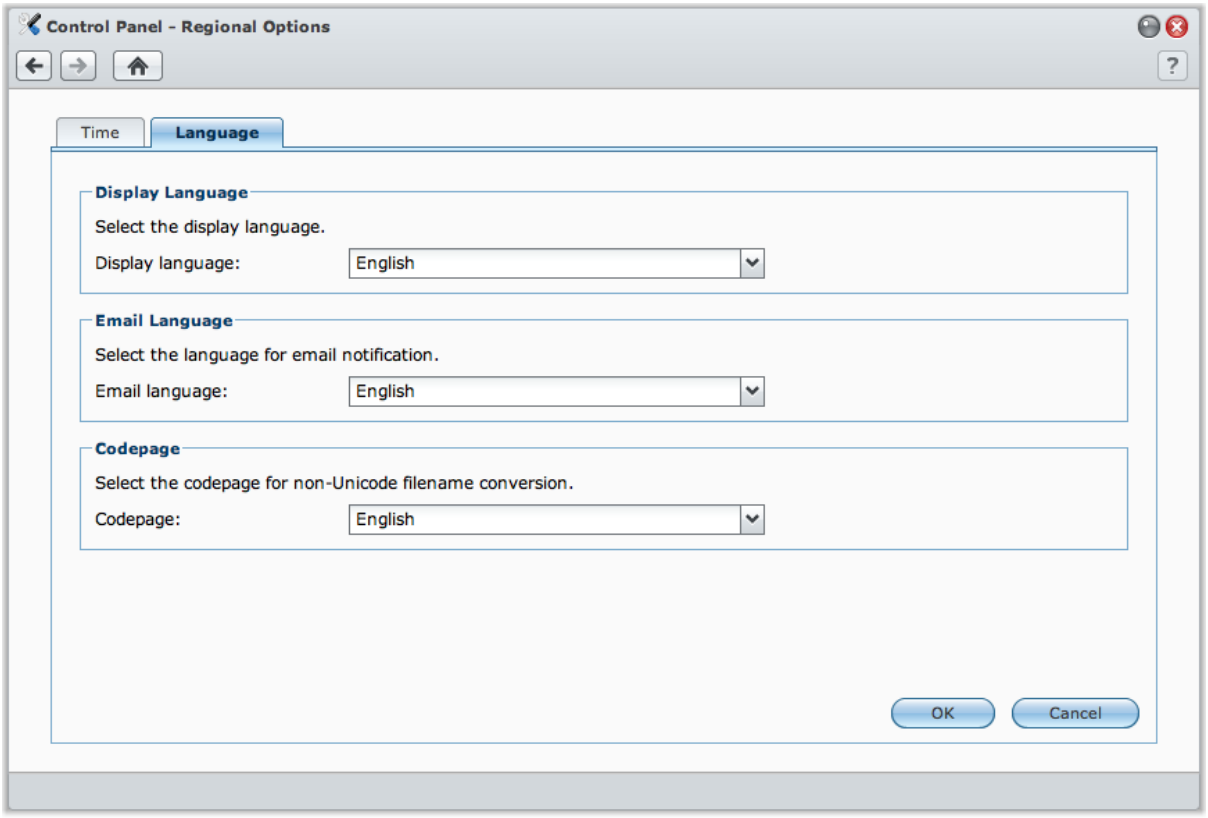
> ***Note:***
>
> - Your external IPv6 address may be automatically updated by the service provider. However, USB Station 2 will not remove the old IPv6 address immediately.
> - If you are still facing connection problems, contact your Internet Service Provider.

Modify Regional Options

Go to **Main Menu** > **Control Panel** > **Regional Options** to configure the following regional options.

Language

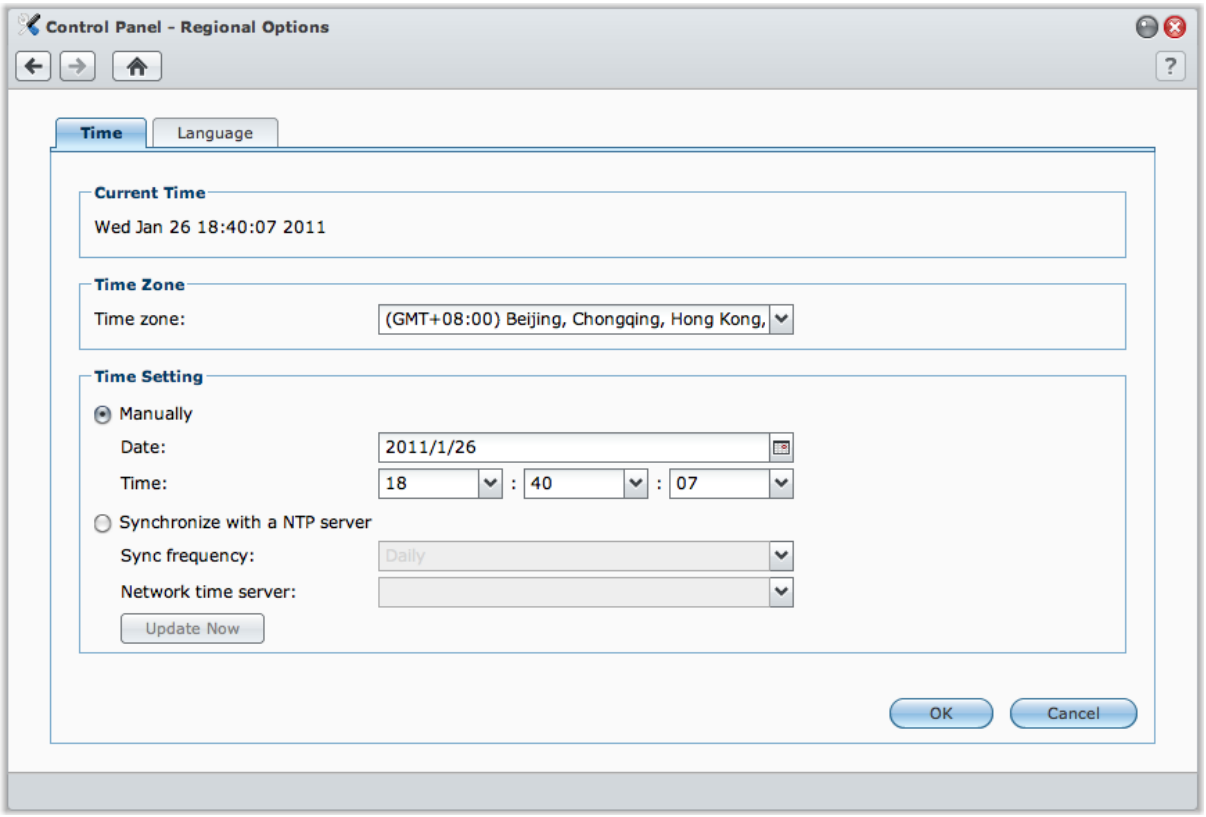
Click the **Language** tab to set the language for Synology DiskStation Manager, email notification, and specify the codepage for Unicode filename conversion.



- **Display Language**: Choose your preferred display language, or have it the same as your default browser setting.
- **Email Language**: Set your preferred language for email notification from USB Station 2.
- **Codepage**: USB Station 2 uses Unicode to avoid file inaccessibility from computers using different languages. But for the following devices or applications to use USB Station 2 services without problem, you need to choose the appropriate codepage for them:
  - Computers without Unicode support
  - Applications that convert non-Unicode strings to Unicode, such as FTP service, UPnP support, music metadata indexing

Set Up Time

Click the **Time** tab to set up the time. You can check the current time, manually set the server's date and time, or have them set automatically using a network time server.



To set the time zone:

1 Choose a time zone from the **Time zone** drop-down menu.

2 Click **OK**.

To set the date and time manually:

1 Choose **Manually** and select the date and time.

2 Click **OK**.

To sync the date and time with NTP server:

1 Make sure a valid DNS server IP has been entered at **Main Menu** > **Control Panel** > **Network** and that your USB Station 2 is connected to the Internet.

2 Choose **Synchronize with a NTP server**.

3 Assign a sync frequency from the drop-down menu.

4 Enter the address of your network time server, or choose a server from the drop-down menu.

5 Click **Update now** to make sure you can successfully synchronize time with the server.

6 Click **OK**.

More Information

Network Time Protocol (NTP) is used to synchronize the time of all clients and servers over a data network.

Below are a few recommended NTP servers:

- time.apple.com
- time.asia.apple.com
- time.euro.apple.com
- time.nist.gov

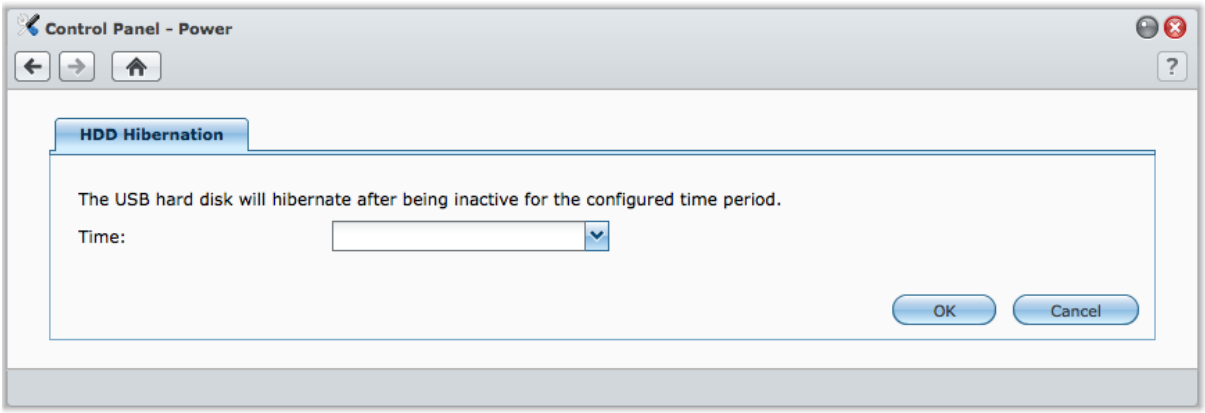
For more information about NTP Server, please visit **http://www.eecis.udel.edu/~mills/ntp/servers.html**

Use Energy Saving Features

Go to **Main Menu** > **Control Panel** > **Power** to manage the energy saving features provided by DSM.

Enable HDD Hibernation for USB Disk

You can manage HDD hibernation for all USB disks connected to your USB Station 2.



When a disk enters HDD hibernation mode, it will stop spinning and become inactive, which not only saves energy but also extends the disk's lifespan.

To manage HDD hibernation:

1 Choose any of the following from the **Time** drop-down menus:

- **A time period:** Set the USB disk to HDD hibernation mode after the specified period of inactivity.
- **None:** Disable HDD hibernation.

2 Click **OK**.

Chapter 4

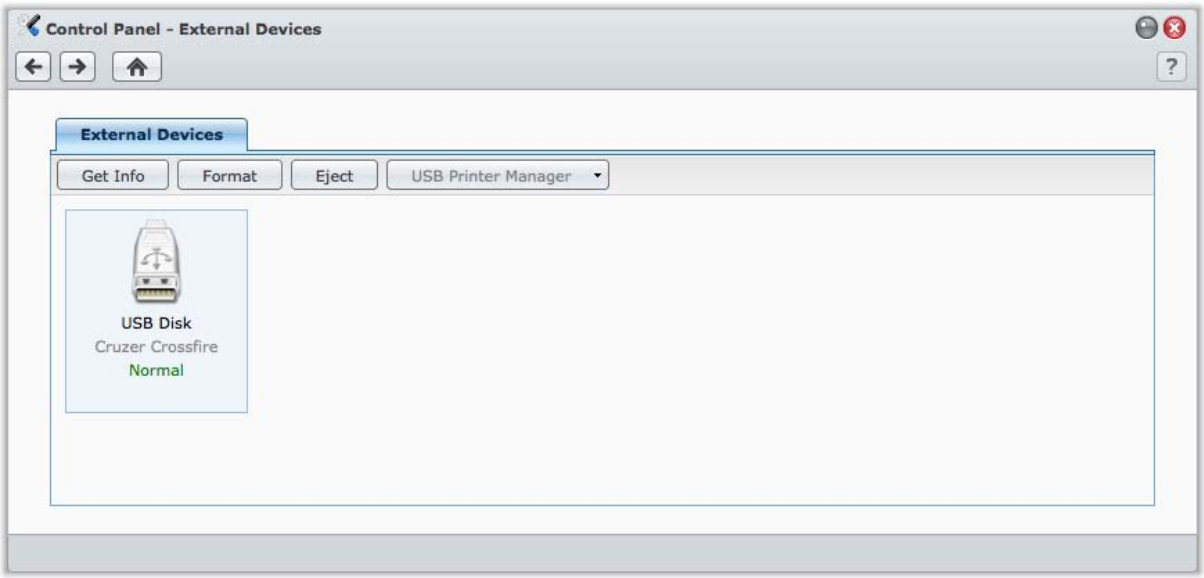
Manage External Disks

Before sharing USB Station 2 with your users, you need to set up storage spaces first.

This chapter explains how to access external disks connected to USB Station 2, and check their status.

Manage External Disks

You can attach external USB disks to the USB port of your USB Station 2 for backup or file sharing purposes. Go to **Main Menu** > **Control Panel** > **External Devices** to manage the attached external disks.



To attach an external disk:

1 Connect an external USB disk to the USB port of your USB Station 2.

2 A new shared folder named "**usbshare [number]"** will be created automatically and ready for access.

Note:

- When more than 1 external USB disk is connected, **usbshare2**, **usbshare3** … will be created.
- USB Station 2 recognizes the following format: **EXT4**, **EXT3**, **FAT**, **FAT32**, and **NTFS**. Any unrecognized USB disk will have to be formatted first before being used on the system.

To get the information of the disk:

You can access disk information by clicking **Get Info**.

To eject or format an external disk:

Click **Eject** or **Format**.

Note:

- For more information about external disks, see its help by clicking the **Help** button (with a question mark) at the top-right corner.
- You can also manage USB printer here. See "Set USB Station 2 as Print Server" on Page 63 for more information.

Chapter

5

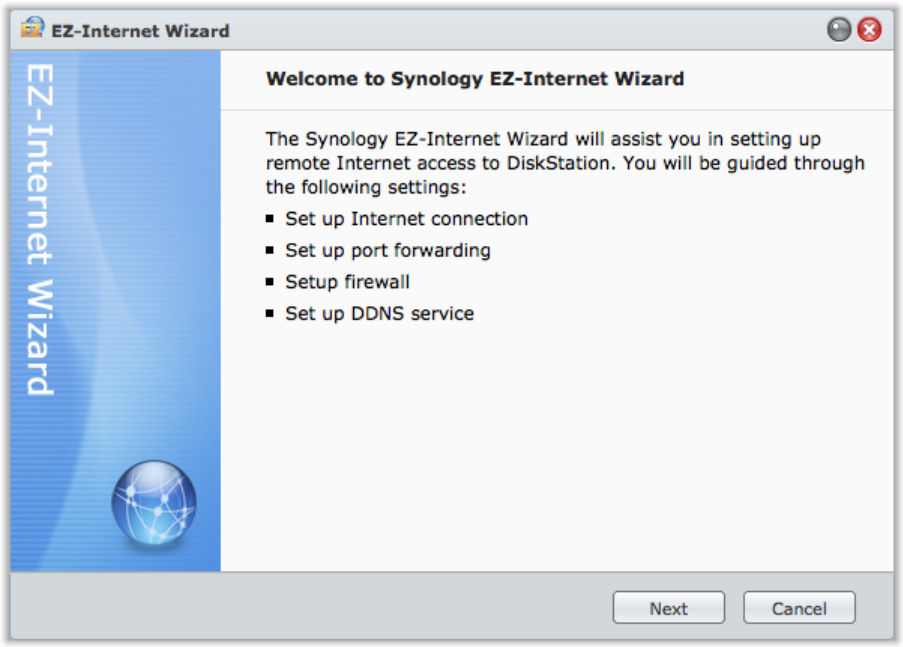
Access USB Station 2 from the Internet

You can connect to your USB Station 2 over the Internet, allowing its services to be accessible from anywhere and anytime.

This chapter explains how to set up Internet connection with the easy-to-use Synology EZ-Internet wizard, or with the more advanced port forwarding function, and register a friendly DDNS hostname for your USB Station 2.

Use the EZ-Internet Wizard

The **EZ-Internet** Wizard can set up USB Station 2 access via the Internet with an easy-to-use wizard, without going through the complicated firewall settings, PPPoE setup, DDNS registration, and router port forwarding configuration.


EZ-Internet Wizard
EZ-Internet Wizard
Welcome to Synology EZ-Internet Wizard
The Synology EZ-Internet Wizard will assist you in setting up remote Internet access to DiskStation. You will be guided through the following settings:
Set up Internet connection
Set up port forwarding
Setup firewall
Set up DDNS service
Next
Cancel

To use the EZ-Internet wizard:

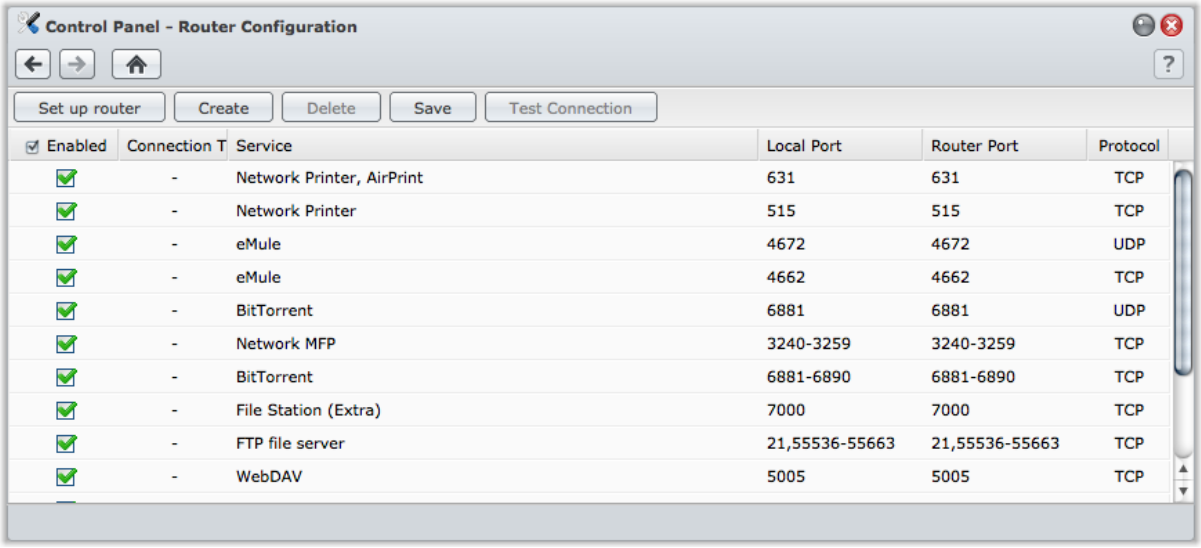
Go to **Main Menu** > **EZ-Internet** and follow the wizard to complete the setup.

Set Up Port Forwarding Rules for Router

If your USB Station 2 is within the Intranet, you can set up port forwarding rules for the router to allow your USB Station 2 to be accessible over the Internet.

> ***Note:*** Before you start, make sure you have manually assigned a static IP address for your USB Station 2. See "Network Interface" on Page 21 for more information.

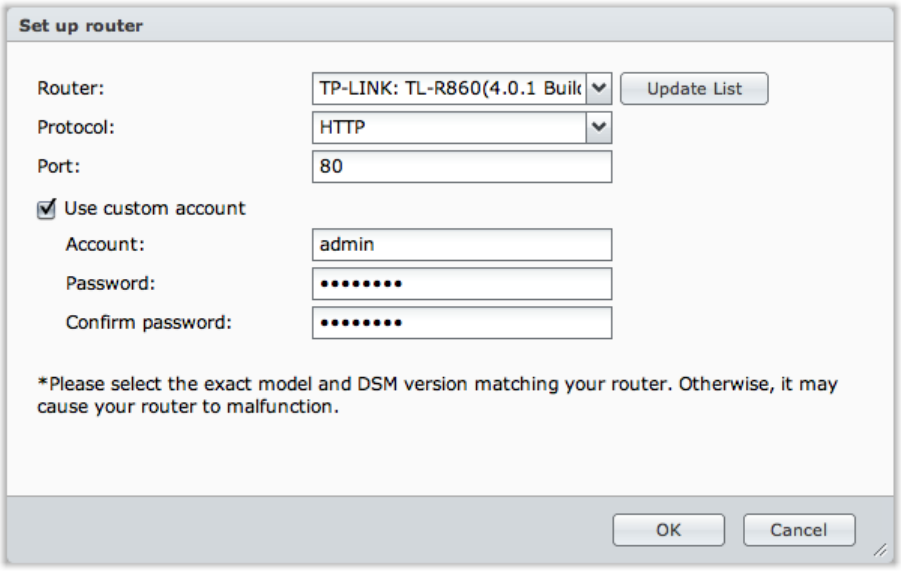
Go to **Main Menu** > **Control Panel** > **Router Configuration** to set up your router and port forwarding rules.



Note: To configure port forwarding rules and assign static IP address, you must have the administrative permission to the router.

Set up Router

Before adding port forwarding rules, you need to set up your router first.

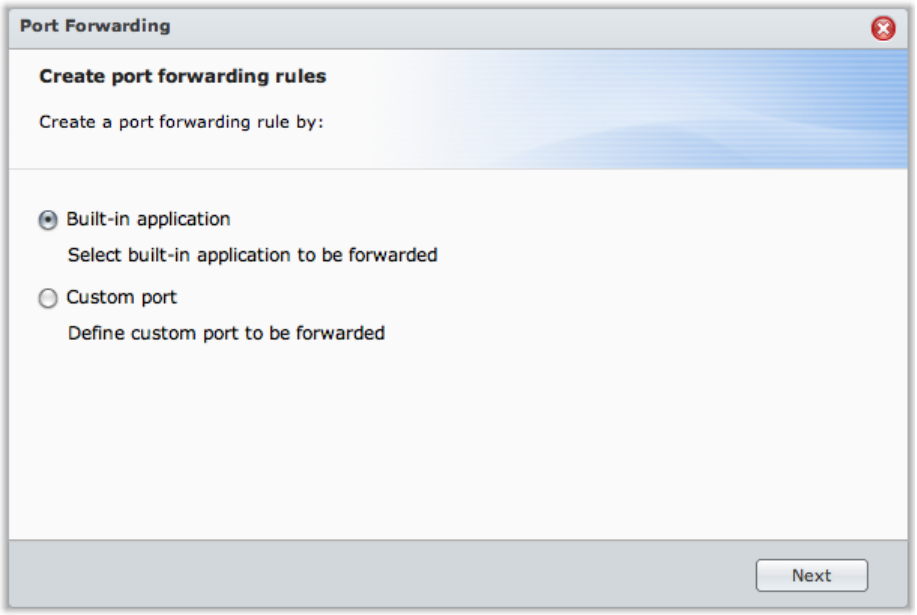


To set up your router:

1. Click **Set up router** to open the settings window.
2. Select your router by doing the following :
   - **a** Choose your router from the **Router** drop-down menu.
   - **b** If you cannot find your router, click **Update List** to get the latest router support list from Synology.
   - **c** If you still have trouble finding your router even after the list is updated, contact Synology.
3. Enter the protocol and port for your router. The protocol and port vary depending on the model of your router. If you cannot connect using the default **HTTP** protocol and **80** port, refer to the documentation that comes with your router for correct settings.
4. If your router requires a custom account to allow it to be accessed, tick **Use custom account** and fill in the **Account** and **Password** fields.
5. Click **OK**.

Add Port Forwarding Rules

Add port forwarding rules to specify the destination ports of your USB Station 2 that will receive packages from specific router ports.



To add port forwarding rules:

1 Click **Create**.

2 Do one of the following:

- **If you want to create port forwarding rules for system services (for example, FTP),** choose **Built-in application** and tick the system services.
- **If you want to create port forwarding rules for custom services,** choose **Custom port**. You can use the following syntax to specify port numbers and range:
  - Use **"-"** to describe port range. For example, **6881-6890**.
  - Use **","** to separate ports. For example: **21,22** or **21,55536-55663**.

> ***Note:***
>
> - Some routers don't allow using custom ports for system services forwarding. See the documentation that came with your router for more information.
> - Each router port can be used for one forwarding rule only. Using a router port for two or more rules will cause conflicts, and a warning message will appear on the screen. You need to set another port for the rule to avoid conflicts.

3 Click **Save**.

You may need to wait for a few minutes before the rules start working, depending on the models of your routers.

To test whether your rules are working or not:

1 Select the rules you want to test and click **Test Connection**.

2 The result will be displayed in the **Connection Test Result** column.

Give USB Station 2 a DDNS Hostname

You can register a DDNS (Dynamic Domain Name Server) hostname for your USB Station 2, allowing it to be connected anywhere by entering the hostname in the address bar of your web browser.

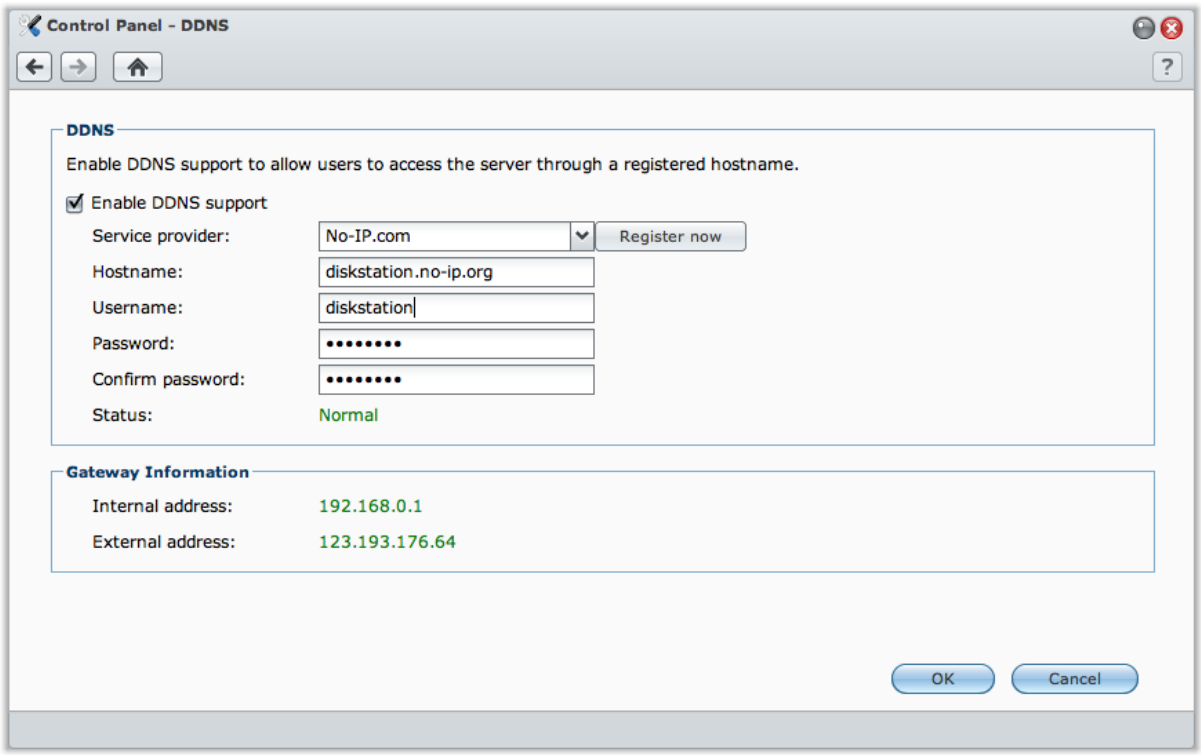
Once set up, you and your friends no longer need to remember the IP address to access your USB Station 2. Simply type in the DDNS hostname on the web browser as you would when connecting to any website. After the setup is complete, the hostname will always point to the external IP of your USB Station 2.

Service Requirement

- The DDNS server of the service provider is working normally.
- The gateway connection is normal.
- USB Station 2 is able to connect to the DNS server.
- The following addresses are unblocked in the Firewall:
  - http://members.dyndns.org:80
  - http://checkip.dyndns.org:80
- DDNS will only run in a network environment where there is no proxy server required.

Register a DDNS hostname for USB Station 2

Go to **Main Menu** > **Control Panel** > **DDNS** and use one of the following methods to enter your DDNS information.



Method 1: Visit any DDNS service provider's website to register a DDNS account

1 Visit any of the following DDNS service providers to register a DDNS account:

- **http://freedns.afraid.org**
- **http://zoneedit.com**
- **http://dnspod.com**
- **http://changeIP.com**
- **http://ddo.jp**
- **http://www.selfhost.de/**
- **http://www.dyndns.com/**
- **http://www.no-ip.com/**
- **http://www.3322.org/**
- **http://www.twodns.de/**

2 Tick **Enable DDNS support** and enter the hostname, username, and password for your USB Station 2.

3 Click **OK**.

> ***Note:*** Remember to enter the full domain name in the **Hostname** field. (e.g. philip1234.dyndns.org)

Method 2: Register a DDNS account at No-IP.com

1 Tick **Enable DDNS support**, choose **No-IP.com** from the **Service provider** drop-down menu, and then click **Register Now**.

2 In the window that appears, enter the hostname you want in the **Hostname** field.

3 Enter your account information:

- **If you already have a No-IP.com account,** select **Use an existing No-IP.com account** and enter the account information in the **Email** and **Password** field to log in.
- **If you don't have a No-IP.com account,** select **Create a new No-IP.com account** and fill out all the required fields to register a new account.

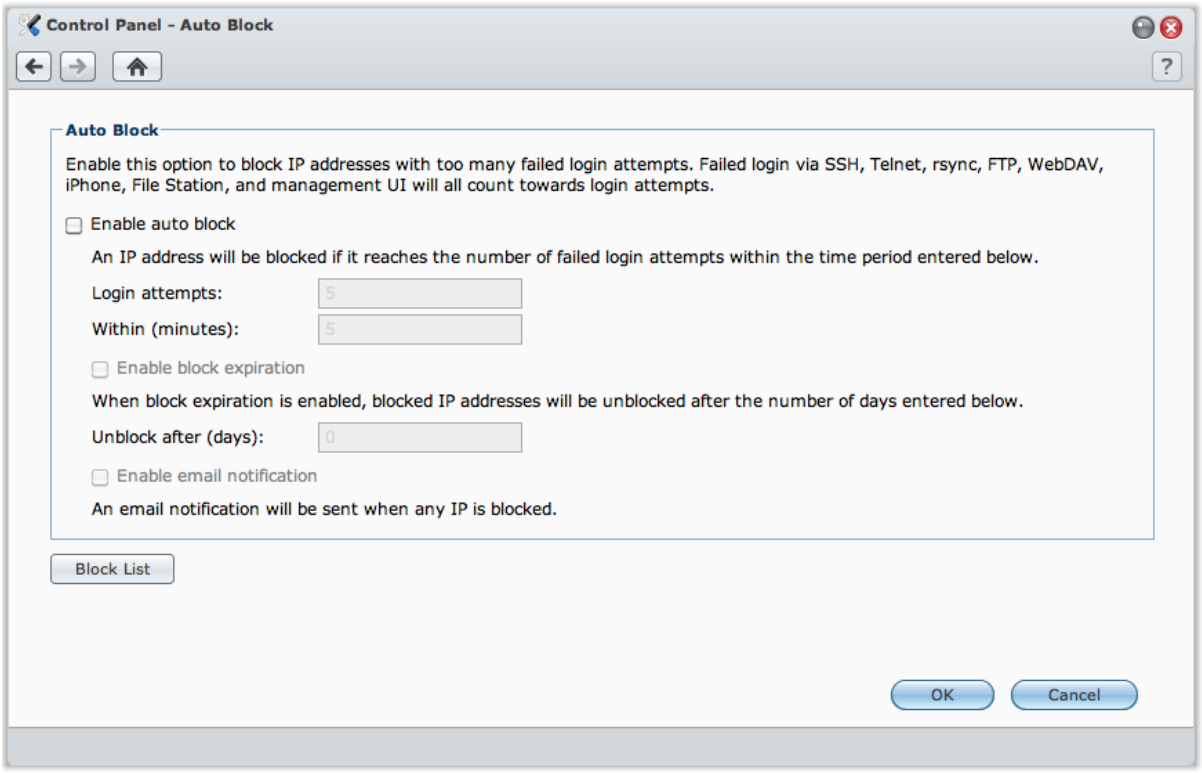
4 Click **OK** to finish. The newly registered hostname for your USB Station 2 will be activated in just a few seconds.

> ***Note:*** If you have any problem using your No-IP.com account, visit **No-IP.com** for troubleshooting information.

Automatically Block Suspicious Login Attempts

Auto block allows you to prevent unauthorized login via SSH, Telnet, FTP, mobile devices, File Station, and the management UI. After enabling the service, an IP address will be blocked automatically if it has too many failed login attempts.

Go to **Main Menu** > **Control Panel** > **Auto Block** to use the auto block function.


Control Panel - Auto Block
Auto Block
Enable this option to block IP addresses with too many failed login attempts. Failed login via SSH, Telnet, rsync, FTP, WebDAV, iPhone, File Station, and management UI will all count towards login attempts.
Enable auto block
An IP address will be blocked if it reaches the number of failed login attempts within the time period entered below.
Login attempts:
5
Within (minutes):
5
Enable block expiration
When block expiration is enabled, blocked IP addresses will be unblocked after the number of days entered below.
Unblock after (days):
0
Enable email notification
An email notification will be sent when any IP is blocked.
Block List
OK
Cancel

To enable auto block:

1 Tick **Enable auto block**.

2 Enter the following information to block an IP address with a number of failed login attempts within the specified minutes :

- **Login attempts**: The number for failed login attempts
- **Within (minutes)**: The number of minutes

3 Tick **Enable block expiration** and enter a number of days in the **Unblock after (days)** field if you want to unblock the IP address after the specified days.

> ***Note:*** The IP address will remain blocked if **Unblock after (days)** is set to **0**.

4 Tick **Enable email notification** to receive email notification when an IP address is blocked. Make sure email notification is enabled for your USB Station 2 before using this option.

> ***Note:*** For more information about email notification, see "Receive Email Notification" on Page 115.

To manage the blocked IP addresses:

1 Click **Block List** to check the blocked IP addresses.

2 If you want to remove an IP address from the block list, select it and click **Remove**.

Chapter

6

Set Up File Sharing

File sharing is one of USB Station 2's major functions. USB Station 2 can become the file sharing center within the Intranet or over the Internet, allowing users to access its files anytime and anywhere.

This chapter explains how to enable the support for file sharing protocols for all platforms, create and manage users, and allow or deny access to the shared folders, applications or subfolders from specific users.

Enable File Sharing Protocols for All Platforms

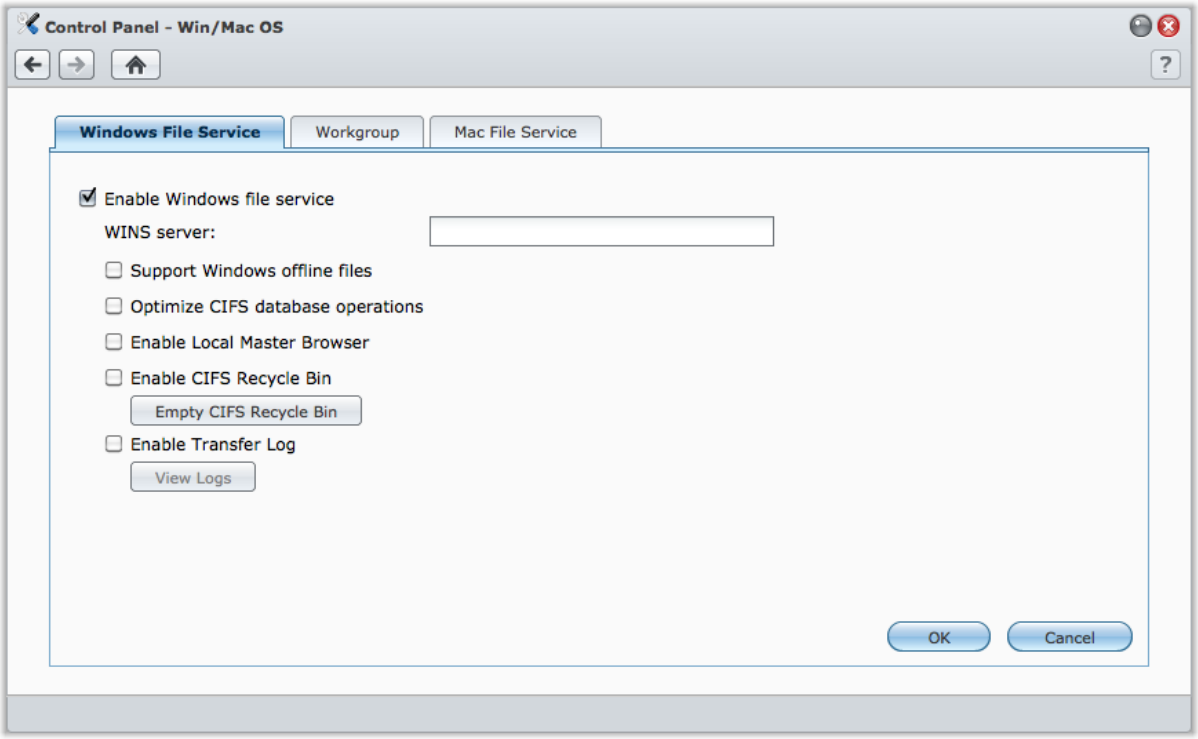
This section tells you how to enable USB Station 2 to support file sharing protocols for all platforms.

USB Station 2 supports the following file sharing protocols:

- **For Windows:** SMB/CIFS (My Network Places), FTP, WebDAV
- **For Mac:** SMB, FTP, AFP, WebDAV

Manage Windows File Service

Click the **Windows File Service** tab at **Main Menu** > **Control Panel** > **Win/Mac OS** to enable USB Station 2 to be the Windows file server (CIFS server).



To enable Windows file service:

1 Tick **Enable Windows file service**.

2 Click **OK**.

Advanced Settings

WINS Server
Microsoft Windows Internet Name Service (WINS) is a NetBIOS name- to-IP-address mapping service. Window users will locate the system more easily on TCP/IP networks if the system has been configured to register with a WINS server.

Support Windows offline files
This option will enable support for Windows offline files and automatically enables CIFS opportunistic locking. However, enabling this option will affect USB Station 2 performance when accessing shared folders via network.

Optimize CIFS database operations
Checking this option will disable "Opportunistic Locking" of CIFS, resulting in increased performance when database applications access database files on the shared folder of the USB Station 2 via network.

Enable Local Master Browser
Enable USB Station 2 to be the Local Master Browser.

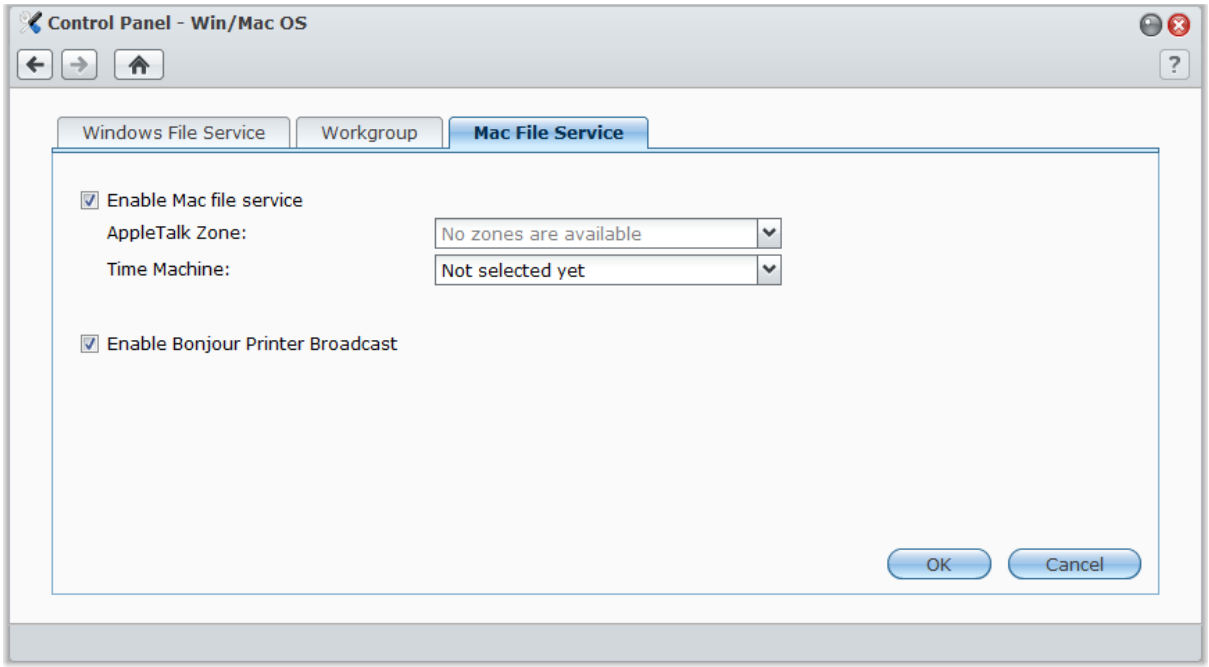
Enable CIFS Recycle Bin
Checking this option will enable "Recycle Bin" of CIFS, resulting in moving the deleted files into the CIFS Recycle Bin when users delete files in the shared folders via the CIFS protocol. When users delete files in a shared folder, a folder called "#recycle" will be created automatically under the root directory of the shared folder.

Empty CIFS Recycle Bin
Click **Empty CIFS Recycle Bin** to clean all CIFS Recycle Bins, resulting in deleting all contents of CIFS Recycle Bins in all the shared folders.

Enable Transfer Log
Enable this function to record the log of all file transfer via the smb protocol. After the function is enabled, you can see the log by clicking **View Logs**.

Manage Mac File Service

Click the **Mac File Service** tab at **Main Menu** > **Control Panel** > **Win/Mac OS** to make USB Station 2 a Mac file server (AFP Server).



To enable Mac file service:

1 Tick **Enable Mac file service** checkbox to make USB Station 2 a Mac file server (AFP server).

2 Set **AppleTalk Zone** or **Time Machine** backup folder if necessary. (See the sections below for more information.)

3 Click **OK**.

More Information

About AppleTalk Zone:
A "Zone" is a logical grouping of devices in an AppleTalk network. If there are AppleTalk zones configured in your own network, the system will join the default zone automatically. You can also configure the system to join other available zones.

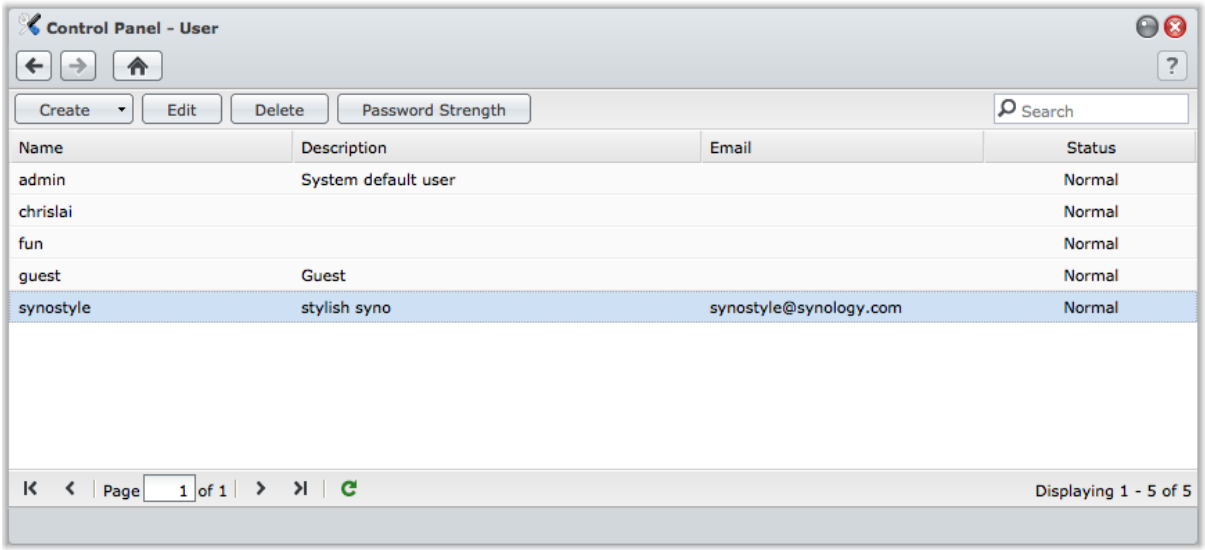
About Time Machine backup folder:
To backup data from Time Machine to USB Station 2, select a shared folder from the drop-down menu.

Shared folders that are being used for other services will not be available for Time Machine.

To enable Bonjour printer broadcast:
Tick **Enable Bonjour Printer Broadcast** to allow Mac clients to browse and locate the printer connected to USB Station 2.

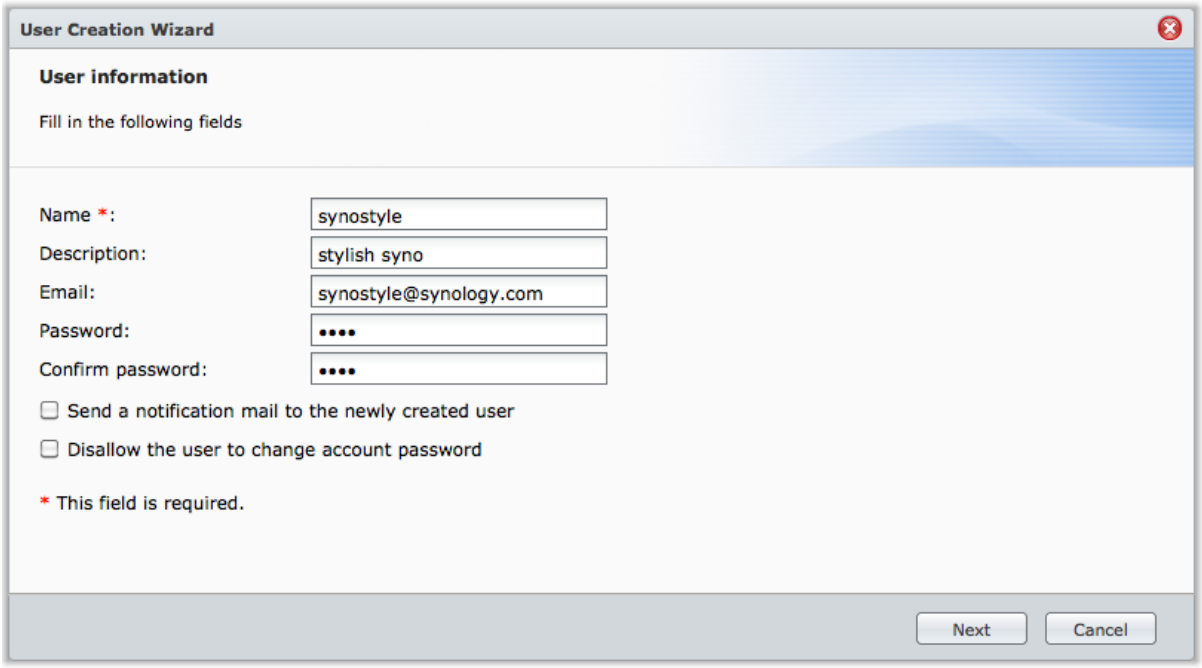
Manage Users

Go to **Main Menu** > **Control Panel** > **User** to create users, and allow or deny their access to different shared folders.



Create and Edit Users

Follow the steps below to create a user account. The user can login to edit his/her account info after the user account has been established. You can also choose to set an account expiration date or disallow the user to change account password.



To create a user account:

1 Click **Create** to open the **User Creation Wizard**.

2 Enter the user name and other information, and click **Next**.

3 In the **Assign Privileges – shared folder** section, do the following:

a Assign the following shared folder privileges for the user:

- **Read/Write**: The user can access and make changes to the files and subfolders in the shared folder.
- **Read only**: The user can access the files and subfolders in the shared folder, but cannot make changes to them.
- **No access**: The user cannot access the files and subfolders in the shared folder.

b See **Privilege preview** to see the user's privilege that is decided based on the privileges setting of the user.

> ***Note:*** When you encounter privilege conflicts, the privilege priority is as follows: **No access** > **Read/Write** > **Read only**.

4 In the **Assign Privileges – applications** section, assign the application privileges for this user, and click **Next**.

5 Click **Apply** to finish.

To create a user account by importing users list:

1 Create a text file which contains the following tab-delimited information in each line:

- Username
- Password
- Description
- Email

Note:

- All fields are optional except **Username**.
- An example of the text file is shown as follows:

eddy	1234	father	eddy@abc.com
rosy	5678	mother	rosy@abc.com
chaddy	8901	brother	chaddy@abc.com
eric	2345	cousin	eric@abc.com

2 Save the text file in UTF-8 encoding.

3 Go to **Main Menu** > **Control Panel** > **User** and choose **Create** > **Import Users**.

4 Choose the text file and click **OK** to start uploading. Tick **Overwrite duplicate accounts** if you want to replace the existing duplicate accounts with the one from the users list.

After submission, a dialog will show the list of imported users.

Note: Users with abnormal status will not be imported.

To edit a user:

1 Select the user you want to edit from the users list and click **Edit** or double-click the user.

2 Make changes to the settings and click **OK**.

Note:

- If you disable an account, the account will stop functioning.
- Email information on the "Notification" page must be set correctly in order for the system to notify the user by email after the account information has been created or modified.

To search for a user:

Type the name of the user in the **Search** field. The search result will be displayed in the users list below.

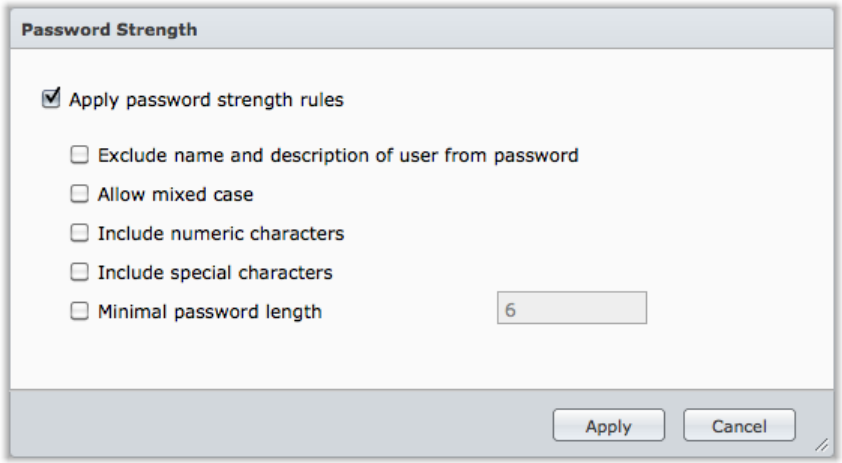
This function is especially useful when there are numerous users for your USB Station 2.

To delete a user:

Select the user you want to delete and click **Delete**.

Apply Password Strength Rules

You can enable password strength service to make sure DSM users' password is secure enough to withstand malicious login attempt.



Note:

- Password Strength rules only work for passwords created or modified after the Password Strength service is enabled. Existing passwords won't be affected by the rules.
- The rules won't apply to the passwords of users created by importing users list.

To apply password strength rules:

1 Click **Password Strength**.

2 Tick **Apply password strength rules**.

3 Tick any of the following rules:

- **Exclude name and description of user from password**: The password must not contain user name or description.
- **Allow mixed case**: Mixed case letters are allowed in password.
- **Include numeric characters**: The password must contain at least one numeric character (0~9).
- **Include special characters**: The password must contain at least one special character (i.e., ~, `, !, @, #, $, %, ^, &, *, (,), -, _, =, +, [, {,], }, \, |, ;, :, ', ", <, >, /, ?).
- **Minimum password length**: The password must be longer than the specified value. The length should be a number between 6 and 127.

4 Click **Apply**.

To cancel password strength rules:

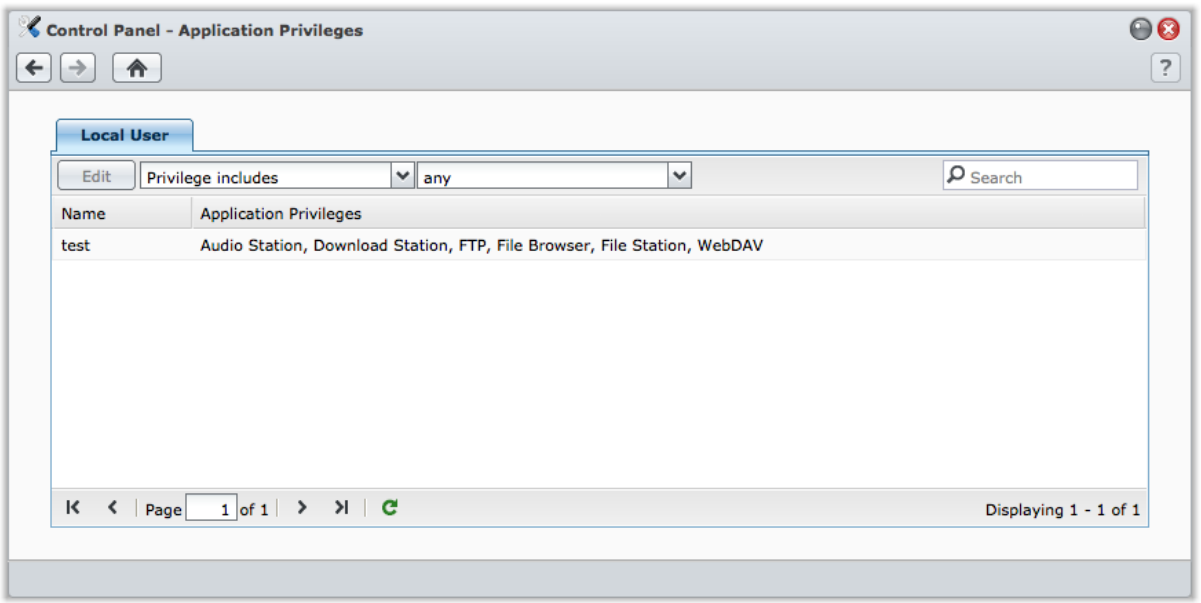
1 Click **Password Strength**.

2 Uncheck **Apply password strength rules**.

3 Click **Apply**.

Allow Users to Access Applications

Go to **Main Menu** > **Control Panel** > **Application Privileges** to decide which applications could be accessed by a user.



To quickly find the user whose application privileges you want to modify:

1 Do any of the following:

- Use the drop-down menus next to **Edit** to view users with or without access privilege to the specified application.
- Enter the user's name in the search field.

2 Wait for a while before the filter result is displayed.

3 Do any of the following if you want to see the complete users list:

- Choose **Privilege includes** and **any** from the drop-down menus.
- Delete the name you entered in the search field.

To allow users to access applications for USB Station 2:

1 From the users list, select the users whose application privileges you want to modify. (Press and hold Shift or Ctrl while making multiple selections.)

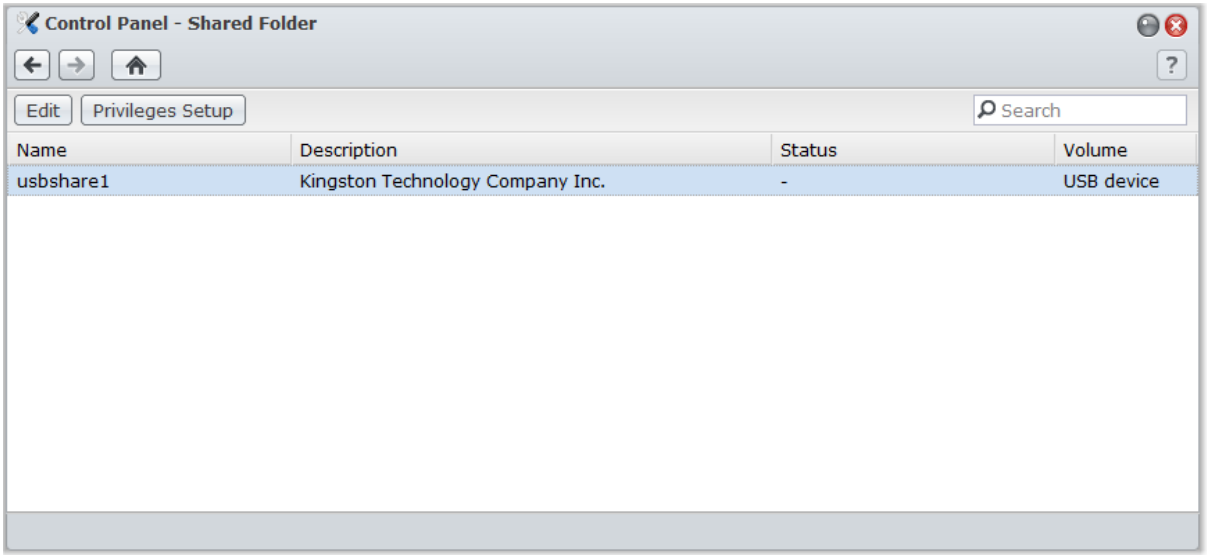
2 Click **Edit** and tick the checkboxes to grant access to the applications. You can also tick **Grant** to grant access to all applications.

3 Click **OK**.

> ***Note:*** The users list excludes **admin** and **guest**.

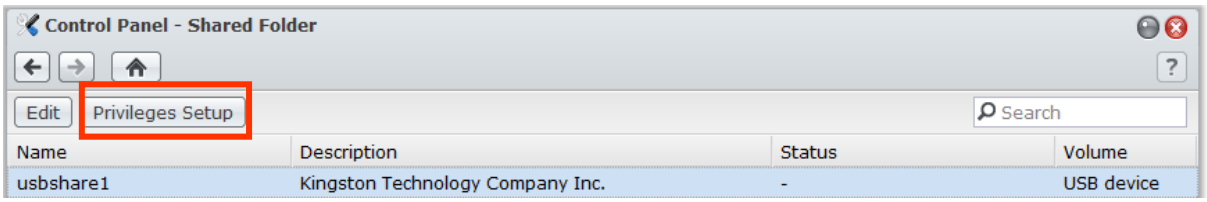
Manage Shared Folders

Go to **Main Menu** > **Control Panel** > **Shared Folder** to manage the shared folders, which are the USB disks connected to USB Station 2. (Folders within the shared folders are called **subfolders**.) You can store data in the shared folders and share them with users with access privileges.



Allow Users to Access Shared Folders

Go to **Main Menu** > **Control Panel** > **Shared Folder** to allow or deny users' access to the shared folders.



To allow users to access a shared folder:

1 Select the shared folder you want to edit from the shared folders list, and click **Privileges Setup** to open the settings window.

2 Click the **Privilege Setup** tab, and select any of the following from the drop-down menu:

- **System Internal user**: Anonymous FTP user. Before allowing anonymous FTP users to connect to a shared folder, you need to allow their access to the folder first. For more information about anonymous FTP, see "Enable Anonymous FTP" on Page 50.
- **Local users**: USB Station 2 users (including **guest**). See "Manage Users" on Page 37 for more information.

3 Tick or uncheck the following privileges to assign access privileges for the users:

- **Read/Write** (RW): The user can access and make changes to the files and subfolders in the shared folder.
- **Read only** (RO): The user can access the files and subfolders in the shared folder, but cannot make changes to them.
- **No access** (NA): The user cannot access the files and subfolders in the shared folder.

4 Click **OK**.

Note:

- When you encounter privilege conflicts, the privilege priority is as follows: **No access** > **Read/Write** > **Read only**.
- When a new shared folder is created, if the admin account's access privilege to the folder is set as **No access**, then the admin will only be able to see the folder by going to **Main Menu** > **Control Panel** > **Shared Folder**.

Chapter 7

Access Files from Anywhere

When you have set up users with proper access privileges to the shared folders, they can share their files with your USB Station 2 from anywhere.

This chapter explains the ways to access the USB Station 2 shared folders within the Intranet or over the Internet.

Access Files within the Intranet

This section explains how to allow users to use Windows or Mac computer to access shared folders on USB Station 2 within the Intranet.

> ***Note:*** Before accessing, make sure the relative file sharing protocols have been enabled for your USB Station 2. See "Enable File Sharing Protocols for All Platforms" on Page 35 for more information.

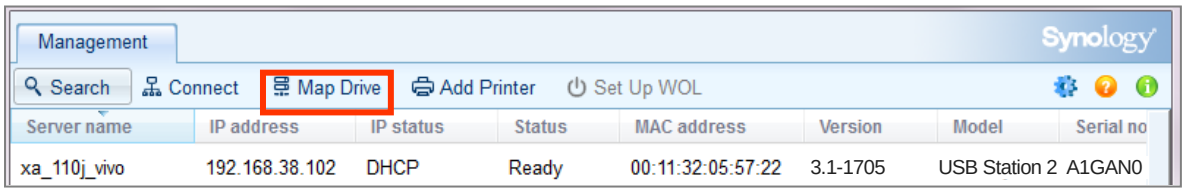
Access Shared Folders from Windows

To access shared folders from Windows, you can use any of the following methods.

Method 1: Use Synology Assistant to map the shared folders as network drives.

1 Run Synology Assistant and select the server from the server list.

2 Click **Map Drive** and follow the onscreen steps to finish the setup.

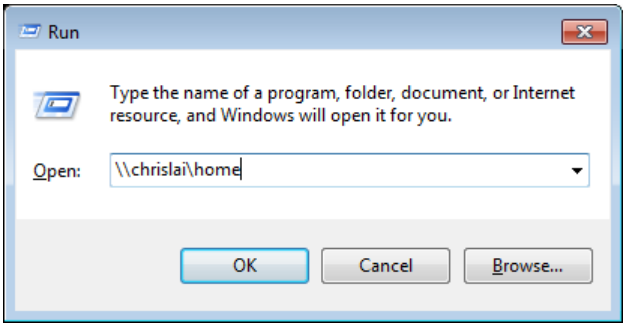


Upon completion, you can access the mapped shared folder directly in Windows Explorer.

Method 2: Use the Run window.

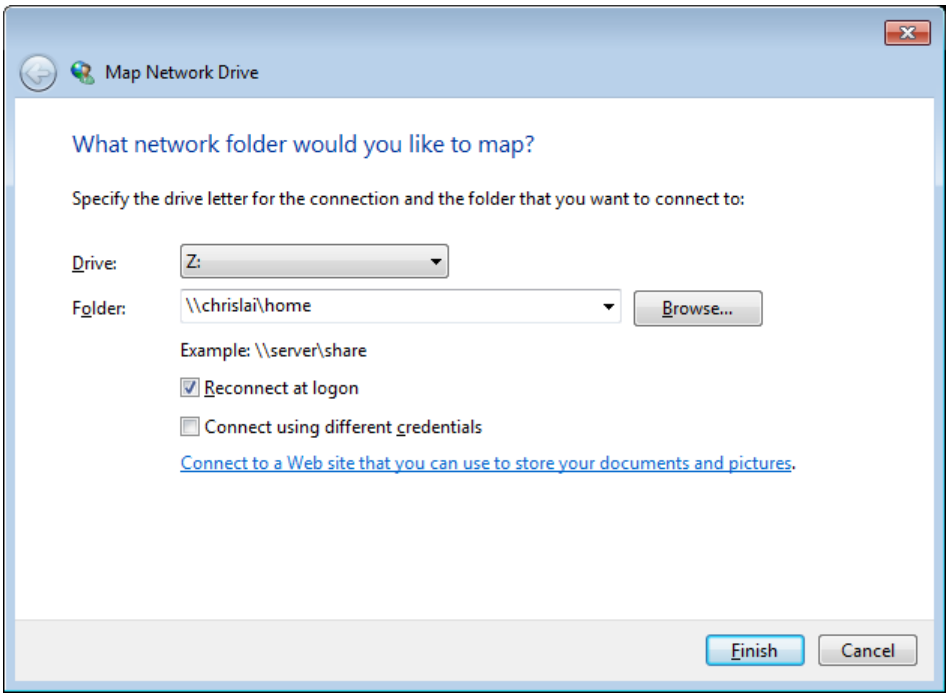
1 Press Windows-R to open the **Run** window.

2 Enter **\\Synology_Server_Name\Shared_Folder_Name** in the **Open** field.



Method 3: Use Window Explorer.

1 Open a Windows Explorer window and choose **Tools** > **Map network drive** to show the **Map Network Drive** window.


Map Network Drive
What network folder would you like to map?
Specify the drive letter for the connection and the folder that you want to connect to:
Drive:
Z:
Folder:
\\chrislai\home
Browse...
Example: \\server\share
Reconnect at logon
Connect using different credentials
Connect to a Web site that you can use to store your documents and pictures.
Finish
Cancel

2 Choose a drive number from the **Drive** drop-down menu.

3 Locate the shared folder by doing one of the following:

- Enter **\\Synology_Server_Name\Shared_Folder_Name** in the **Folder** field.
- Click **Browse** to locate the shared folder, and then click **OK**.

4 Click **Finish**.

5 Enter your user name and password for Synology DiskStation Manager and click **OK**.

Upon completion, you can access the mapped shared folder directly in Windows Explorer.

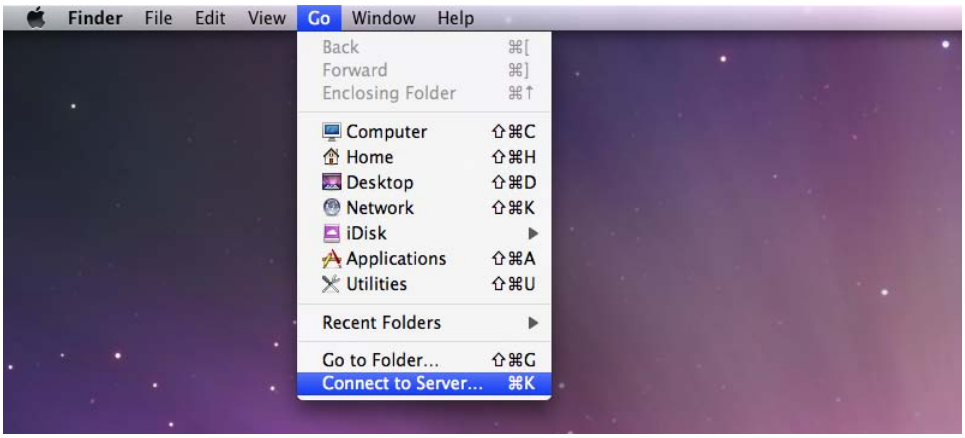
Access Shared Folders from Mac

1 Choose **Go** > **Connect to Server** from the menu bar.

2 Type USB Station 2's IP address or server name (appended with **.local**) preceded by **smb://** or **afp://** in the **Server Address** field and click **Connect**. (e.g. **smb://EricaWang.local** or **afp://192.168.0.2**)

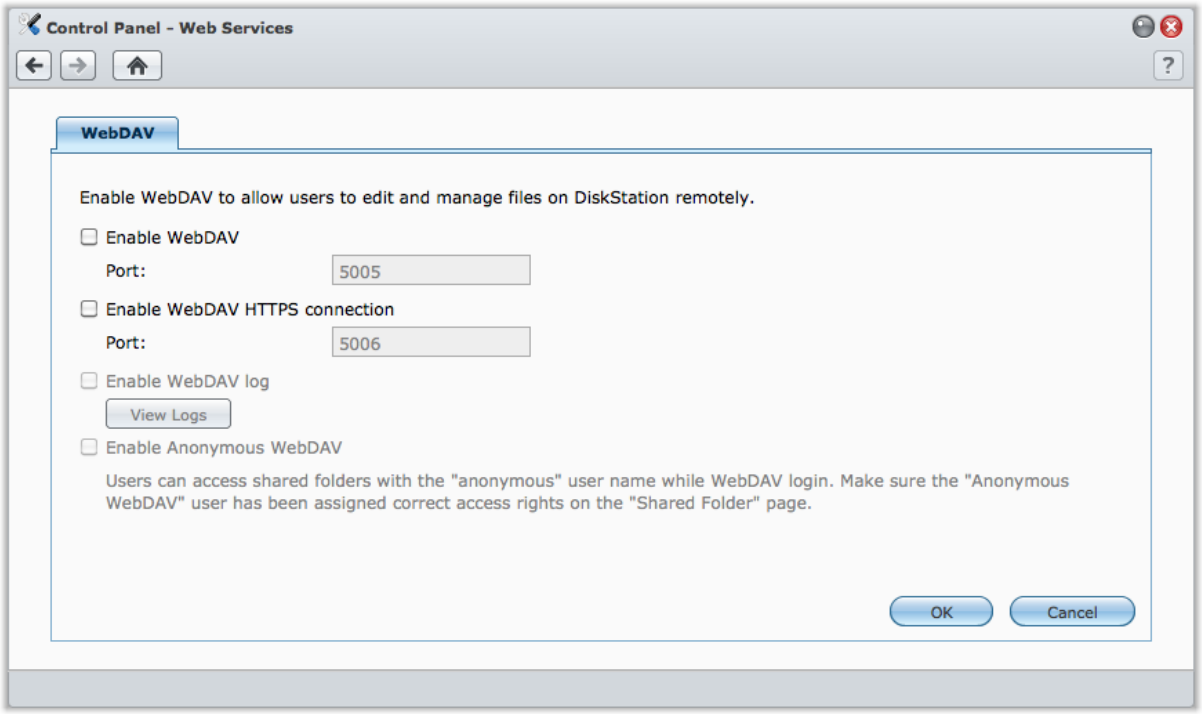
> ***Note:*** For better performance, it is recommended that you connect to the shared folders via SMB.

3 Select the shared folder you want to access. Upon completion, you can access the shared folder in the Finder window.



Access Files via WebDAV

This section explains how to allow users to use Windows or Mac computer to manage and edit files on USB Station 2 via WebDAV remotely.


Control Panel - Web Services
WebDAV
Enable WebDAV to allow users to edit and manage files on DiskStation remotely.
Enable WebDAV
Port:
5005
Enable WebDAV HTTPS connection
Port:
5006
Enable WebDAV log
View Logs
Enable Anonymous WebDAV
Users can access shared folders with the "anonymous" user name while WebDAV login. Make sure the "Anonymous WebDAV" user has been assigned correct access rights on the "Shared Folder" page.
OK
Cancel

To Enable WebDAV:

Click the **WebDAV** tab at **Main Menu** > **Control Panel** > **Web Services** to enable WebDAV.

- For HTTP connection:
  - **a** Tick the **Enable WebDAV** checkbox. The default port number for the WebDAV service is **5005**.
  - **b** Click **OK**.
- For HTTPS connection:
  - **a** Tick the **Enable WebDAV HTTPS connection** checkbox. The default port number for WebDAV HTTPS is **5006**.
  - **b** Click **OK**.

Use WebDAV to Manage Files in Different Environments

You can use WebDAV to manage files in different environments. You can set it up as a network drive on your operating system, or access it via a browser or on a smartphone.

When using WebDAV service, we suggest you use UTF-8-supported WebDAV clients to manage your files. This can prevent the file names from becoming unreadable characters after uploading.

To use WebDAV on Windows XP/Vista:

1. Right-click on **My Computer** and select **Map Network Drive**.
2. Click **Connect to a Web site that you can use to store your documents and pictures**.
3. Click **Next**.
4. Click **Next**.
5. Enter the path for the network drive. The path should include the IP or the DDNS of your USB Station 2 and the port number. An example would be **http://demo.no-ip.info:5005/**.
6. Click **Next**.
7. Enter your account and password. Click **OK**.

8 Name this network drive. Click **Next**.

9 Click **Finish** to finish the settings.

> ***Note:***
>
> - Before you start using a WebDAV client software under Windows environment, please check if you have installed Windows patch **Web Folders (KB907306)**.
> - When using WebDAV service under Windows environment, if you want to switch to another user account, you need to log out of Windows system first.

To use WebDAV on Windows 7:

For Windows 7 users, you need to have a client software to use WebDAV. A software like this would be **Netdrive**. You can also find other client software on the Internet.

> ***Note:*** Before you start using WebDAV client software under Windows environment, please check if you have installed Windows patch **Web Folders (KB907306)**.

To use WebDAV on Mac:

1 Choose **Go** > **Connect to Server** from the menu bar.

2 Enter the **Address** field. The address should include the IP or the DDNS of your USB Station 2 and the port number. An example would be **http://demo.no-ip.info:5005/**.

3 Enter your user name and password.

4 Click **Connect**.

> ***Note:*** WebDAV supports Bonjour broadcast.

To use WebDAV on Internet Explorer:

This is only supported in Internet Explorer 7 or earlier versions. If you are using Internet Explorer 8 or beyond, please consult other methods provided in help or use a WebDAV supported client software.

1 Click **Files** > **Open**.

2 Enter the address in the **Open** field. The address should include the IP or the DDNS of your USB Station 2 and the port number. An example would be **http://demo.no-ip.info:5005/**.

3 Enter your username and password. Click **OK**.

To use WebDAV on Firefox:

To use WebDAV on Firefox browser, you need to first install plug-in applications that support WebDAV, two of which are:

- **Trail-Mix**: **www.trail-mix.com**
- **Mozdev**: **webfolder.mozdev.org**

> ***Note:*** Before using WebDAV on web browsers, Windows Vista users have to start WebDAV service first. For more information, see "Use WebDAV to Manage Files in Different Environments" on Page 46, and then follow the steps of "To use WebDAV on Windows XP/Vista".

To use WebDAV on smartphones:

For smartphones such as iPhone or Android phones, you can use WebDAV via client apps. Examples:

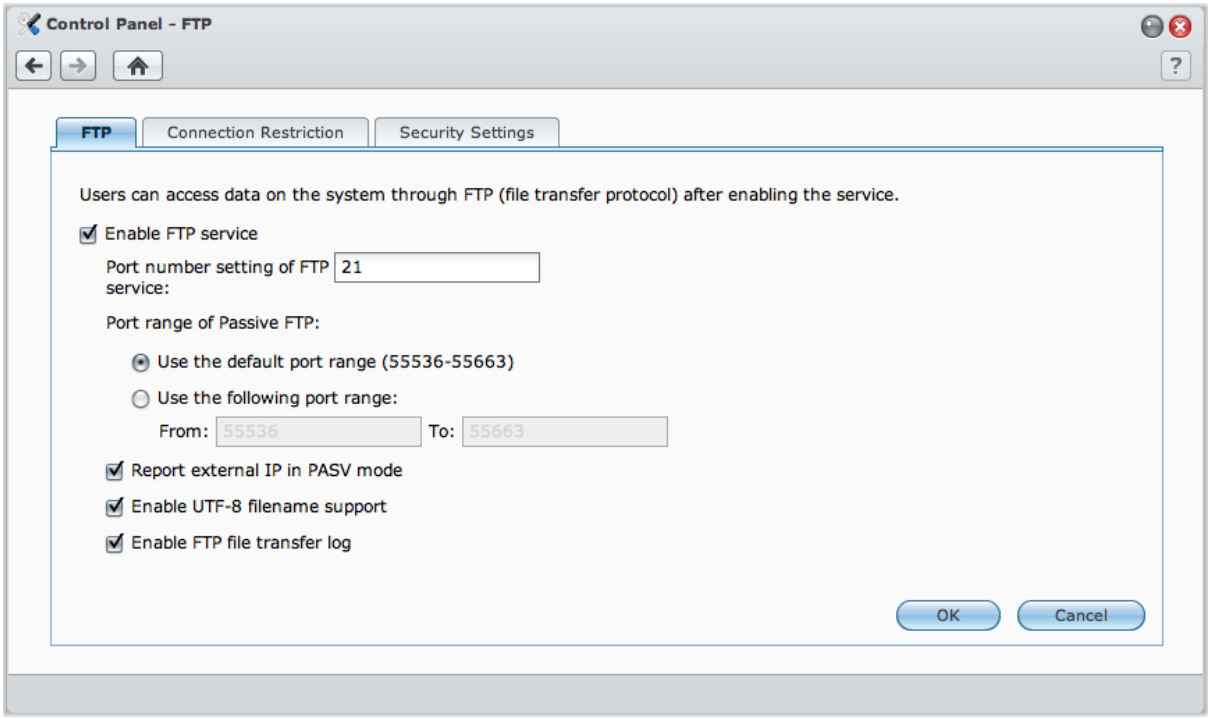
- **iPhone: DAV-E** and **GoodReader**
- **Android phones: WebDavDroid** and **Mobile WebDAV**

Access Files via FTP

If your USB Station 2 is accessible over the Internet, you can use a FTP application to access the shared folders.

> ***Note:*** For more information about making USB Station 2 accessible over the Internet, see "Chapter 5: Access USB Station 2 from the Internet" on Page 29.

Go to **Main Menu** > **Control Panel** > **FTP** to enable FTP service, allowing users to upload or download USB Station 2 data via FTP.



To enable FTP service:

1. Tick **Enable FTP service**.
2. Enter a value in **Port number setting of FTP service** (The default number is 21).
3. Specify the **Port range of Passive FTP** (PASV) by using the default range (55536-55663) or entering any range between 1025 and 65535.
4. Click **OK**.

> ***Note:***
>
> - The default port number for the FTP service is 21. You can set it from 1 to 65535, excluding the following numbers: 20, 22, 23, 25, 80, 110, 137, 138, 139, 143, 199, 443, 445, 515, 543, 548, 587, 873, 993, 995, 3306, 3689, 5000, 5001, 5005, 5006, 5335, 5432, 9997, 9998, 9999, BitTorrent default port range: 6881-6890, and Surveillance Station default port range: 55736-55863.
> - The port range of Passive (PASV) FTP can be from 1025 to 65535. It can contain up to 128 ports.
> - The **guest** account cannot log in to USB Station 2 via FTP.
> - The codepage setting on the FTP client computer must be the same as that of the USB Station 2 in order to access the data correctly.

Advanced Settings

Report external IP in PASV mode
By enabling this option, the server will report its external IP to FTP clients. The reported IP will be listed in the connection log of the FTP client. This option only works when the server is behind a NAT, and with the FTP clients residing in a different subnet as the server. In most cases you don't need to enable this option, but if the FTP clients fail to connect to the server, then please try with this option enabled.

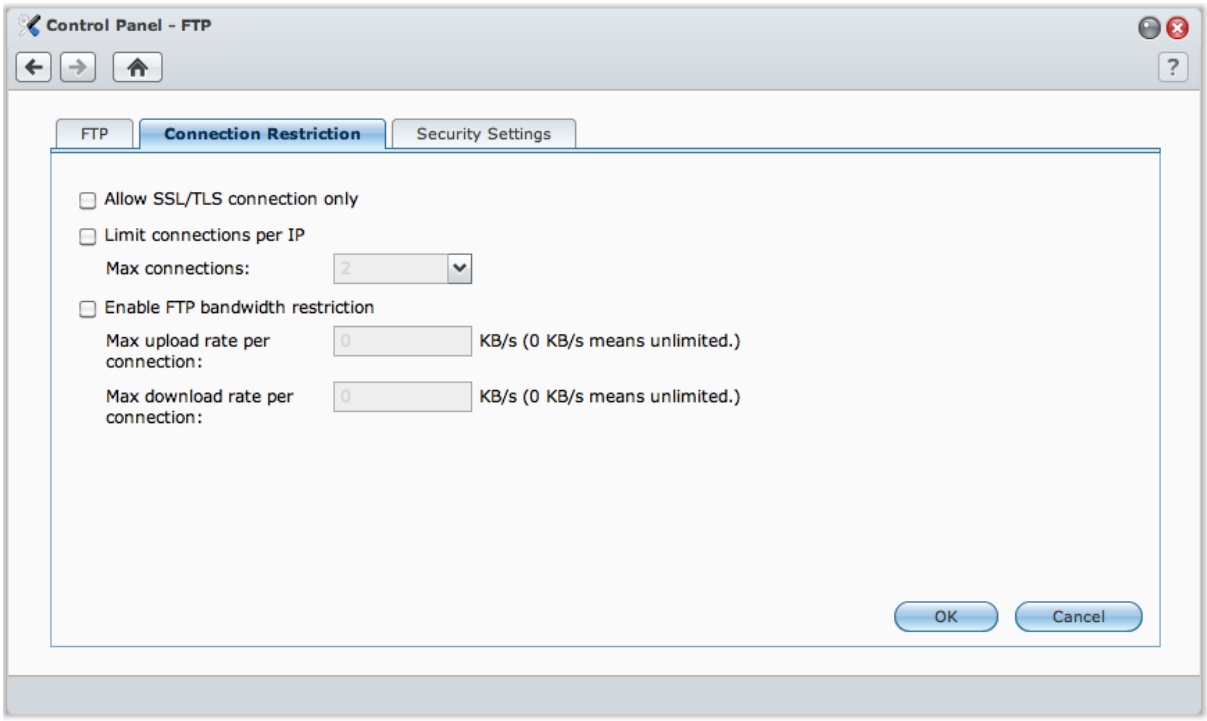
Enable UTF-8 filename support
If FTP client supports UTF-8, enable this function to better handle multilingual filename. However, the support to the old version of FTP clients is limited. If your FTP client has trouble to handle multilingual file name, you might want to disable this function.

Enable FTP file transfer log
Enable this function to record the log of each downloaded or uploaded file.

To see the FTP file transfer log:
Go to **Main Menu** > **System Information** > **Log**, and choose **FTP transfer log** from the drop-down menu. Enabling FTP file transfer log will affect the system performance.

Set up FTP Connection Restriction

Click the **Connection Restriction** tab to limit users' FTP access to USB Station 2.

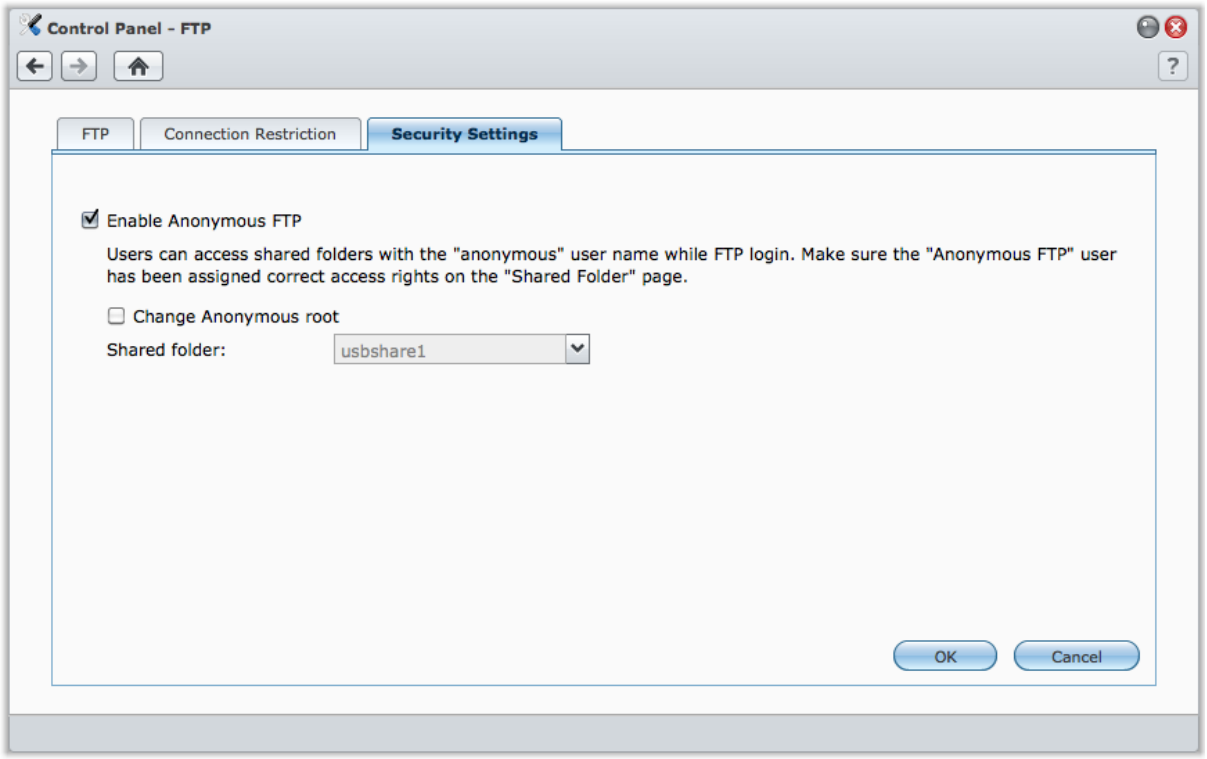


To set up FTP connection restriction, tick any of the following and click OK:

- **Allow SSL/TLS connection only**: Accept only SSL or TLS connection requests from FTP clients.
- **Limit connections per IP**: Limit the maximum connections per IP.
- **Enable FTP bandwidth restriction**: Restrict the bandwidth of single FTP connection.

Enable Anonymous FTP

Click the **Security Settings** tab to allow anyone to log in to USB Station 2's FTP service (with the **anonymous** or **ftp** account).


Control Panel - FTP
FTP
Connection Restriction
Security Settings
Enable Anonymous FTP
Users can access shared folders with the "anonymous" user name while FTP login. Make sure the "Anonymous FTP" user has been assigned correct access rights on the "Shared Folder" page.
Change Anonymous root
Shared folder:
usbshare1
OK
Cancel

To manage FTP security settings:

1 Tick **Enable Anonymous FTP**. You can also tick **Change Anonymous root** and select a shared folder to restrict anonymous users' FTP access to that folder only.

2 Click **OK**.

More Information

To configure the privilege of anonymous user:

1 Go to **Main Menu** > **Control Panel** > **Shared Folder**, select a shared folder, and click **Privileges Setup**.

2 Choose **System internal user** from the drop-down menu and tick the checkboxes.

3 Click **OK**.

Connect to USB Station 2 Using a FTP Application

Open any FTP application on your computer and enter the following information to connect to USB Station 2:

- USB Station 2's IP address or domain name
- Your user account and password
- The port number (The default number is 21)

Access Files via File Browser

File Browser is DSM's file management tool, allowing DSM users over the Internet to access USB Station 2 folders with their web browsers. By opening two or more File Browser windows, you can manage all your USB Station 2 data by dragging and dropping them between different File Browsers.

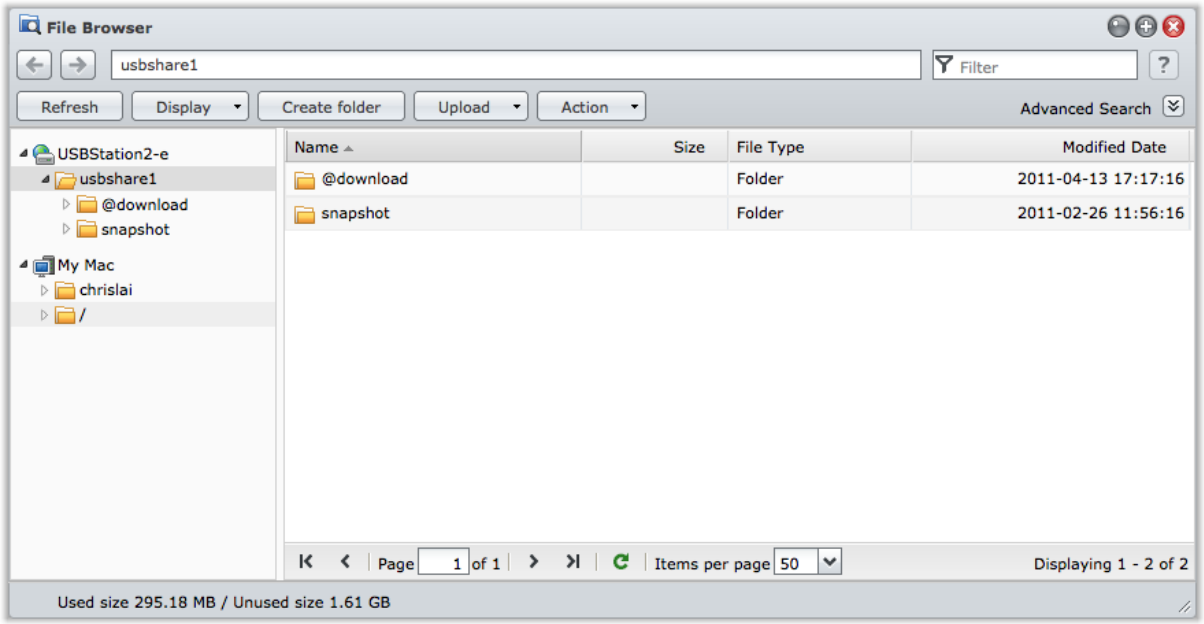
File Browser Requirement

To use the full featured File Browser, you will need the newest web browser, Java and Flash Player.

- **Browser:** Chrome, Firefox 3.5 or later, Safari 4.0 or later, Internet Explorer 7 or later; with AJAX and JavaScript enabled
- **Java (For browsing folders on the local computer):** Java Runtime Environment (JRE) 5 or later
- **Flash:** Flash Player 9.0.28 or later

File Browser Appearance

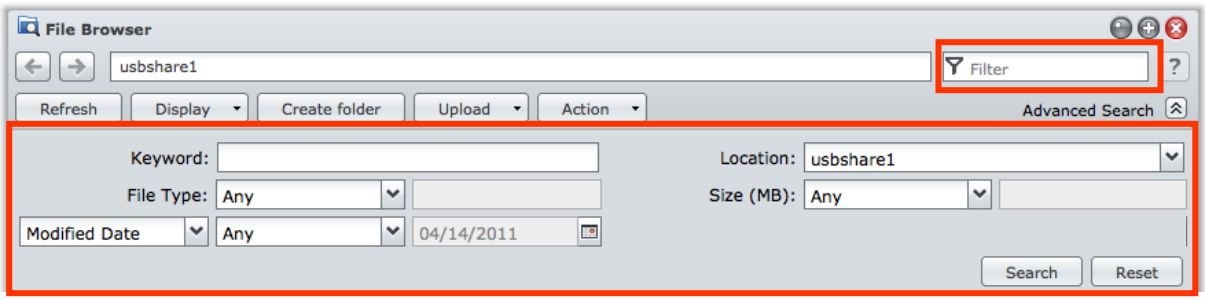
Go to **Main Menu** > **File Browser** to open a **File Browser** window.



- **Left panel:** Displays USB Station 2's shared folders and their subfolders in the upper part, and the folders on your local computer in the lower part.
- **Main section:** Displays contents of the currently-selected folder.
- **Help button (top-right corner):** Click the **Help** button (with a question mark) to reveal the DSM Help, where you can get useful help about how to use File Browser.
- **Search field (next to the Help button):** Enter a keyword to filter through files or folders in the current folder.
- **Advanced Search (downward arrow below the Help button):** Search for refined search results.

Search for Files or Folders

You can filter through files or folders in the current folder. You can also perform advanced search for more refined search results.



To search for files or folders in the current folder:

1 Use File Browser to go to the folder containing contents you want to search.

2 In the **Filter** field at the top-right corner of the File Browser window, enter a keyword and see the filtered result in the main area of the window.

To perform advanced search:

1 Use File Browser to go to the folder containing contents you want to search.

2 At the top-right corner of the File Browser window, click the button to the right of **Advanced Search** to reveal the **Advanced Search** panel.

3 Enter information or choose from drop-down menus in the following search criteria:

- **Keyword**: Enter a keyword to search for files or folders with matching names.

  > ***Note:***
  >
  > You can use global pattern [*] (meaning any number of random characters) or [?] (meaning 1 random character) in the keyword. For example, [a*n] can represent [a**ctio**n], [a**ttentio**n], or [an].
  >
  > You can use space pattern [ ] to separate more than one keywords. For example, [**a tion**] can represent [**actio**n], [**a** func**tion**], [func**tion a**dded], or n**ation**.
  >
  > You can add double quote ["] at the beginning and the end of the keyword to search for exact matches. For example, [**"a typ"**] can represent [**a typ**e], but cannot represent [**typ**ic**al**].

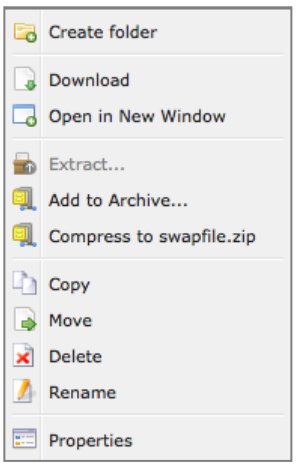
- **Location**: The default location is the current folder. If you want to search other locations, select any of the listed shared folders to search its contents, or select **Other locations** to select any other locations.
- **File Type**: Choose **Extension** to limit the search range to specific types of files, or choose **Folder** to search for folders only.
- **Size (MB)**: Choose from **equals**, **is greater than**, and **is less than**, and then enter a size to search for files with matching sizes.
- **Modified Date** or **Created Date**: Choose from **is exactly**, **is before**, and **is after**, and then choose a date from the calendar to search for files with matching created or modified dates.

> ***Note:*** Other than **Location**, you have to specify at least one search criterion.

4 Click **Search** to start the search, or click **Reset** and specify the search criteria again. When the search is complete, matching files will be listed in the main area of File Browser.

Set File Browser in Action

With the **Action** menu, right-clicking, and dragging-and-dropping, you can easily download, copy, move, rename, delete, extract, and compress files or folders, and more.



Download Files or Folders from USB Station 2

Use any of the following methods to download files or folders from USB Station 2 to your computer.

Method 1:

1 Select the files or folders you want to download. (Press and hold Shift or Ctrl while making multiple selections.)

2 Choose **Download** from the **Action** menu.

Method 2:

1 Select the files or folders you want to download. (Press and hold Shift or Ctrl while making multiple selections.)

2 Right-click the files or folders, and choose **Download**.

Note:

- Under Windows environment, characters **\ * ? " > | # %** contained in the filename will be replaced by **-** after downloading.
- If you make multiple selections, File Browser will archive your selections into a zip file before downloading.

Upload Files or Folders to USB Station 2

Use any of the following methods to upload files or folders from your computer to USB Station 2.

Method 1:

1 From the upper part of the left panel, choose a destination folder on USB Station 2.

2 Choose **Upload**, and select files or folders from your local computer.

3 Click **OK** to start uploading.

Method 2:

1 From the lower part of the left panel, select a folder on your local computer. The main section now displays the contents of the selected folder.

2 Select the files or folders you want in the main section, and then click **Upload**.

3 Select a destination folder on USB Station 2 in the window that appears.

4 At the top-right corner of the window, select **Overwrite** if you want to overwrite files or folders with the same name in the destination folder. Otherwise, select **Skip**.

5 Click **OK** to start uploading.

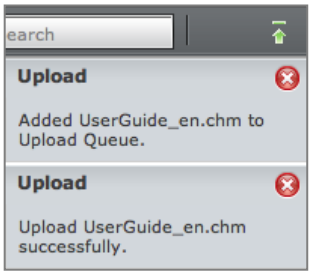
Method 3:

1 On the left panel, drag a folder from your computer (the lower part) to any folder on USB Station 2 (the upper part).

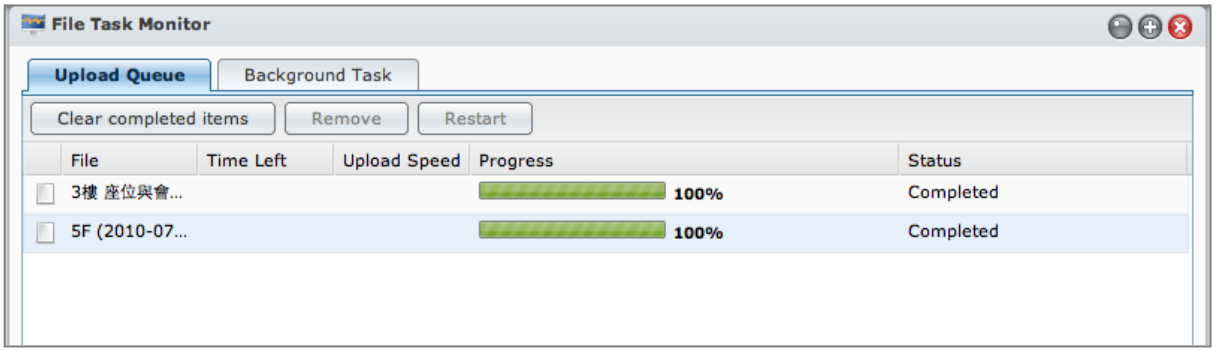
2 In the pop-up menu that appears, choose **Upload - Overwrite** to overwrite files or folders with the same name in the destination folder. Otherwise, choose **Upload - Skip** to skip the files with the same filename.

Note: If you have installed JRE 5 or later, you can upload over 4GB of contents at a time. Otherwise, you can only upload up to 2GB of contents at a time.

When you upload files and folders using any of the following methods, you can see the uploading progress of the files and folders in the top-right corner of the desktop.

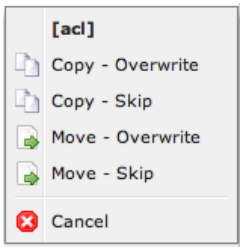


You can also click the upward arrow at the right end of the taskbar to see the **Upload Queue**.



Copy or Move Files or Folders on USB Station 2

Use any of the following methods to copy files or folders between folders on USB Station 2.



Method 1:

1. Select the files or folders you want. (Press and hold Shift or Ctrl while making multiple selections.)
2. Choose **Copy** or **Move** from the **Action** menu.
3. Select a destination folder on USB Station 2 in the window that appears.
4. At the bottom of the window, select **Overwrite** if you want to overwrite files or folders with the same name in the destination folder. Otherwise, select **Skip**.

Method 2:

1. Select the files or folders you want. (Press and hold Shift or Ctrl while making multiple selections.)
2. Drag any USB Station 2 folders or files from the main section to another USB Station 2 folder on the left panel.
3. In the pop-up menu that appears, choose **Copy - Overwrite** or **Move - Overwrite** to overwrite files or folders with the same name in the destination folder. Otherwise, choose **Copy - Skip** or **Move - Skip** to skip the files with the same filename.

Method 3:

1. Select the files or folders you want. (Press and hold Shift or Ctrl while making multiple selections.)
2. Go to **Main Menu** > **File Browser** to open a new File Browser window, and use the left panel to browse to a destination folder on USB Station 2.
3. Drag any USB Station 2 folders or files from the original File Browser window to the window you just opened.
4. In the pop-up menu that appears, choose **Copy - Overwrite** or **Move - Overwrite** to overwrite files or folders with the same name in the destination folder. Otherwise, choose **Copy - Skip** or **Move - Skip** to skip the files with the same filename.

Note: When copying or moving files/folders to a directory in FAT file system, characters **\ *?">|** in the filename will be replaced by **–**, and the Metadata of Mac files will be deleted.

Rename a File or Folder on USB Station 2

1. Select a file or a folder.
2. Do one of the following:
   - Choose **Rename** from the **Action** menu.
   - Right-click the file or folder and choose **Rename**.
3. Enter a new name in the window that appears and click **OK**.

Create a Folder

1 Go to the directory where you want to create a folder.

2 Do any of the following:

- Click **Create folder**.
- Choose **Create folder** from the **Action** menu.

3 Enter a new name in the window that appears and click **OK**.

Delete Files or Folders

1 Select the files or folders you want. (Press and hold Shift or Ctrl while making multiple selections.)

2 Do one of the following:

- Choose **Delete** from the **Action** menu.
- Right-click one of the files or folders and choose **Delete**.

Extract an Archive

1 Select an archive you want to extract.

2 Choose **Extract** from the **Action** menu. You can see the contents of the archive in the **File list**.

3 Click the **Option** tab to enter the password if the archive is password-protected.

4 Click **Destination** at the bottom, and select a destination folder on USB Station 2 in the window that appears.

5 Do one of the following:

- To extract all files and folders in the archive, click **Extract All**.
- To extract some files or folders in the archive, select them in the **File list** and click **Extract Selected**.

Note: File Browser can extract the following archive formats: .zip, .tar, .gz, .tgz, .rar, .7z, .iso (ISO 9660 + joliet)

Compress Files or Folders

1 In the main section, select the files or folders on USB Station 2 that you want to compress. (Press and hold Shift or Ctrl while making multiple selections.)

2 Do one of the following:

- Choose **Compress to "(file name)".zip** from the **Action** menu.
- Right-click one of the selections and choose **Compress to "(file name)".zip**.
- To use advanced options (such as renaming or encrypting the archive, using different compression levels or modes), choose **Add to archive** instead.

Note:

- You cannot compress files or folders on your local computer using File Browser.
- Supported archive formats: .zip, .7z.

Open a File in a New Window

Open a file on USB Station 2 in a new tab or window of the web browser to preview it instantly.

To open a file in a new window:

1 Select the file you want to preview.

2 Do one of the following:

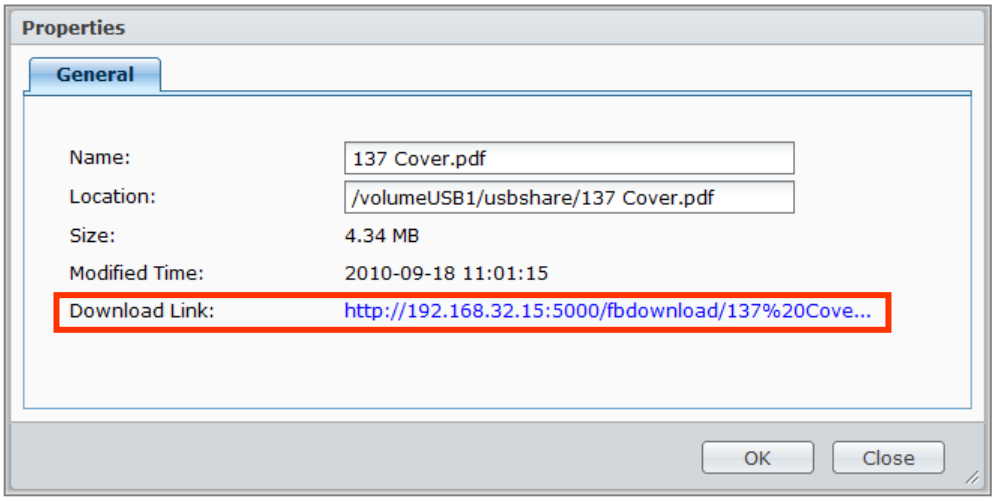
- Choose **Open in New Window** from the **Action** menu.
- Right-click the file and choose **Open in New Window**.

If your browser can view the selected file, it will be opened in a new browser window.

Note: The browser setting will decide what file types can be viewed directly.

Obtain a File or Folder's Download Link

You can obtain the download link to a file or folder and share the link with other users.



To obtain a file or folder's download link:

1 Select the file or folder for which you want to obtain its download link.

2 Do one of the following to open the **Properties** window:

- Choose **Properties** from the **Action** menu.
- Right-click the file or folder and choose **Properties**.

3 Right-click the download link, and choose the pertinent function from the shortcut menu to copy the download link. The name of the function may vary depending on the web browser you are using.

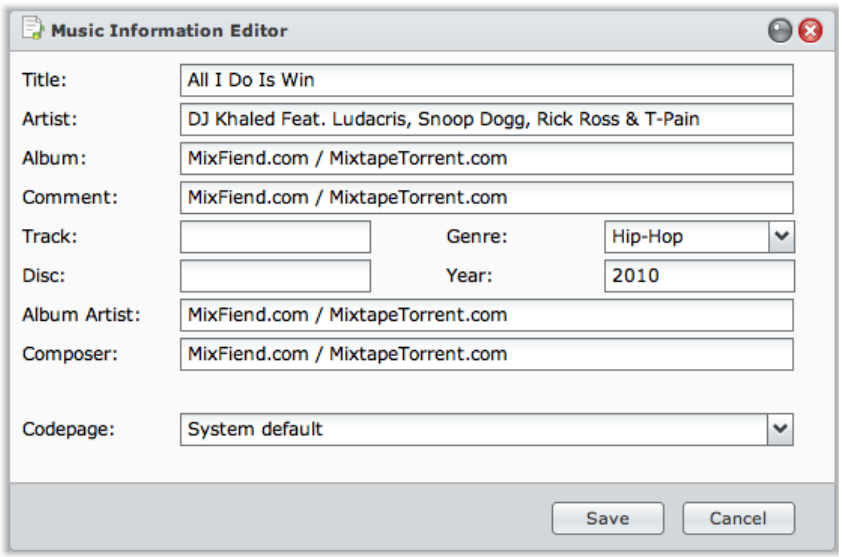
4 Send the link to other users via Email or instant messages. They can download the linked file or folder by entering their username and password.

Note:

- To download a file or folder with the download link, valid username and password are required.
- With File Browser, you can only perform the upload action for files and folders on your computer. All the other File Browser actions and properties setting are available for files and folders on USB Station 2 only.

Edit Music Information

With File Browser's Music Information Editor, you can view or edit the information of music files.



To view or edit music information:

1 Right-click the music file and choose **Edit music information**.

2 Here you can view or modify the music file's information, or choose a language from the **Codepage** drop-down menu to convert non-Unicode text to Unicode and display the text in the correct language. (**System default** is the codepage you specified at **Main Menu** > **Control Panel** > **Regional Options**.)

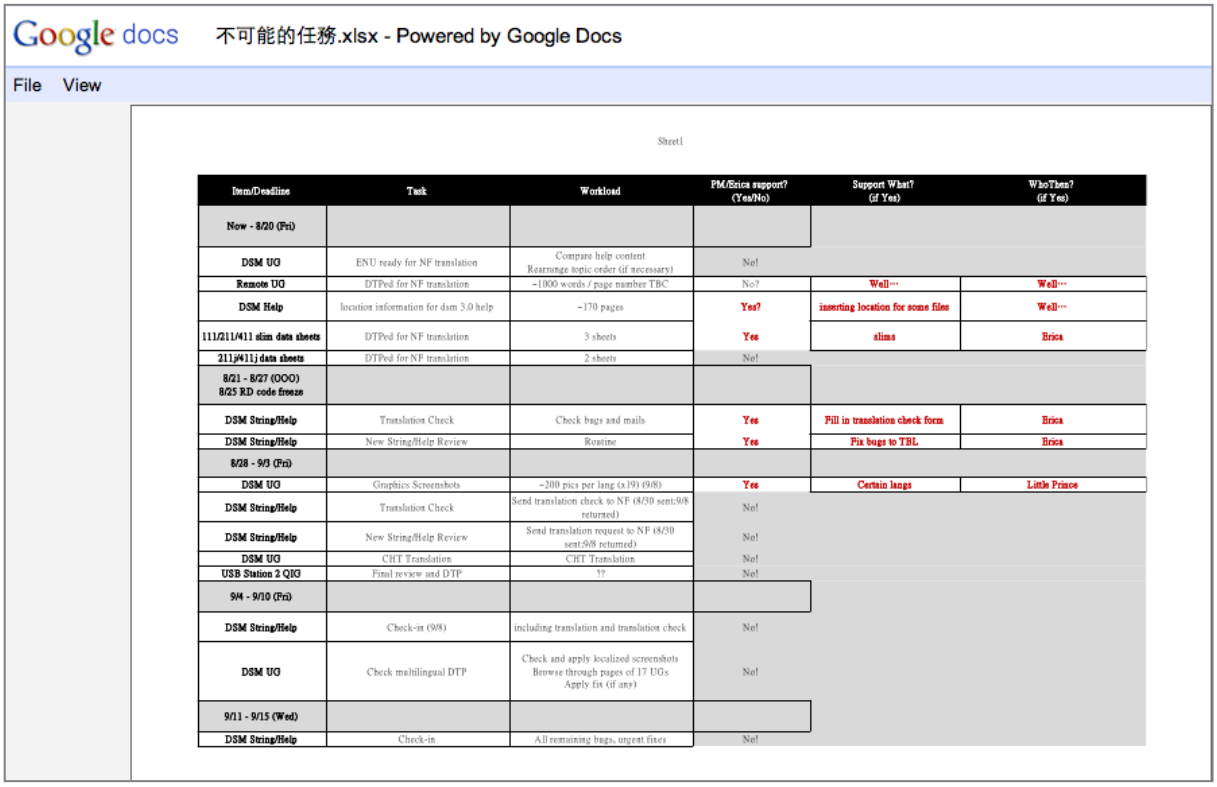
3 Click **Save** to finish the setup.

> ***Note:*** Music Information Editor supports the following formats: mp3, wma, wav, ogg.

View Documents, Photos, or Videos

With File Browser, you can view documents, videos or photos.

View Documents in Google docs



1 Browse to the folder where the document is located.

2 Right-click the document and choose **View in Google docs**.

> ***Note:*** The **View in Google docs** function supports the following formats: doc, docx, odt, ppt, pps, xlsx, pdf, tif

3 A new browser window should appear and display your document in Google docs. You can log in to your Gmail account and save the document in Google docs.

Preview Photos

1 Browse to the folder where the photos are located.

2 Right-click any of the photos and choose **Preview** to open the Photo Viewer window. You should be able to view the photo now.

> ***Note:*** Photo Viewer supports the following formats: jpg, jpeg, jpe, bmp, gif, png, tiff, tif, arw, srf, sr2, dcr, k25, kdc, cr2, crw, nef, mrw, ptx, pef, raf, 3fr, erf, mef, mos, orf, rw2, dng, x3f, raw

3 At the top of Photo Viewer, do any of the following to control photo preview:

- Click **Info** to see the EXIF, IPTC, or XMP information of the photo (if any).
- Click **Play/Pause** to start or pause photo slideshow.
- Click **Previous** or **Next** to see the previous or next photo in the folder.
- Click **Rotate 90° clockwise** or **Rotate 90° counter-clockwise** to rotate the photo.
- Click **Delete** to delete the current photo.

4 Hover your mouse over the bottom of Photo Viewer to reveal the thumbnail sliding bar for quick navigation.

Play Videos

1 Browse to the folder where the video is located.

2 Right-click the video and choose **Play** to open the Video Player window.

3 The video should start playing right away. If not, please make sure you have installed **VLC Player (Windows, Linux)** or **VLC web browser plugin (Mac)** on your local computer.

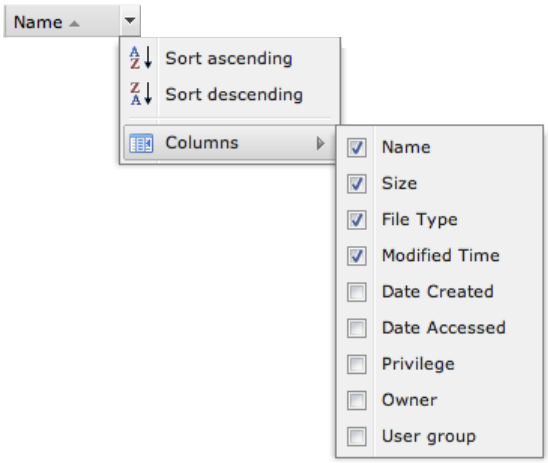
> ***Note:***
>
> - While installing VLC Player, make sure you have ticked Mozilla plugin and ActiveX plugin.
> - VLC is supported by the following browsers: Windows: Safari, Internet Explorer, Firefox; Mac: Firefox
> - VLC is not supported by the following browsers: Windows: Chrome; Mac: Safari
> - If VLC is installed on your computer, and you are connecting to DSM with a supported web browser, Video Player supports the following formats: avi, dat, mkv, vob, asf, wmv, mov, qt, divx, flv, swf, rm, rmvb, mpg, mpeg, mpeg1, m1v, mpeg2, m2v, mp2, dvr-ms, m2ts, mts, m2t, ts, tp, trp, mpeg4, m4v, mp4, 3g2, 3gp, 3gp2, ogv, webm, mpe, xvid
> - If VLC is not installed on your local computer, video player will play videos supported by HTML5. Please refer to **here** for HTML5 videos supported by different web browsers.
> - If you connect to DSM via the HTTPS protocol, you need to import a trusted certificate (under the **HTTP Service** tab at **Main Menu** > **Control Panel** > **DSM Settings**) to be able to play videos with File Browser.

4 At the bottom of Video Player, do any of the following to control video playback:

- Click **Play/Pause** to play or pause the video.
- If you have a subtitle file with the same name and in the same folder as the video, you should be able to see the subtitle during video playback. If you want to use another subtitle file, choose it from the drop-down menu.
- Use the Progress bar to skip to any point you want.
- Use the Volume bar to adjust the volume.
- Click **Stop** to stop playback.

Display Additional Attributes

You can display additional attributes of files or folders to show them in new columns of the main section.



To display additional attributes:

1. Hover your mouse to any column header and click the downward triangle that appears on the right.
2. From the drop-down menu that appears, choose the **Columns** submenu.
3. Tick the checkboxes next to the extra attributes to show them in new columns.

Access Files via File Station

Go to **Main Menu** > **Control Panel** > **File Station** to enable File Station, which allows you to access files on USB Station 2 through a customized port.

To enable File Station:

1. Tick **Enable File Station (HTTP)** and specify a customized port number.
2. If you want to have the connection to File Station encrypted via the SSL/TLS encrypting mechanism, tick **Enable File Station (HTTPS)** and specify a customized port number.
3. If you want to activate the mini banner to save vertical space, tick **Use mini banner**.
4. If you want to record the activities of all users, tick **Enable File Station log**.
5. Click **OK**.

To see the File Station log:

Go to **Main Menu** > **System Information** > **Log**, and choose **File Station log** from the drop-down menu. The user activities are shown under the **Event** column, including **Upload**, **Download**, **Delete**, **Rename**, **Move**, **Copy** and **Property set**.

To customize File Station:

1. Under **Customization**, do any of the following:
2. Customize the login message in the **Message** field.
3. Change the banner color in the **Change banner color** field.
4. Click the button next to **Upload banner image** to upload your favorite banner image.
5. Click **OK**.

To launch File Station, do any of the following:

- Click the link next to **Login at**.
- Go to **Main Menu** and click **File Station**.
- Type USB Station 2's IP address or server name or domain name plus a colon and the customized port number (e.g. http://ericawang.dyndns.org:7000) in the address bar of your web browser. Press Enter (PC) or Return (Mac) on your keyboard.

Chapter 8

Back Up Data

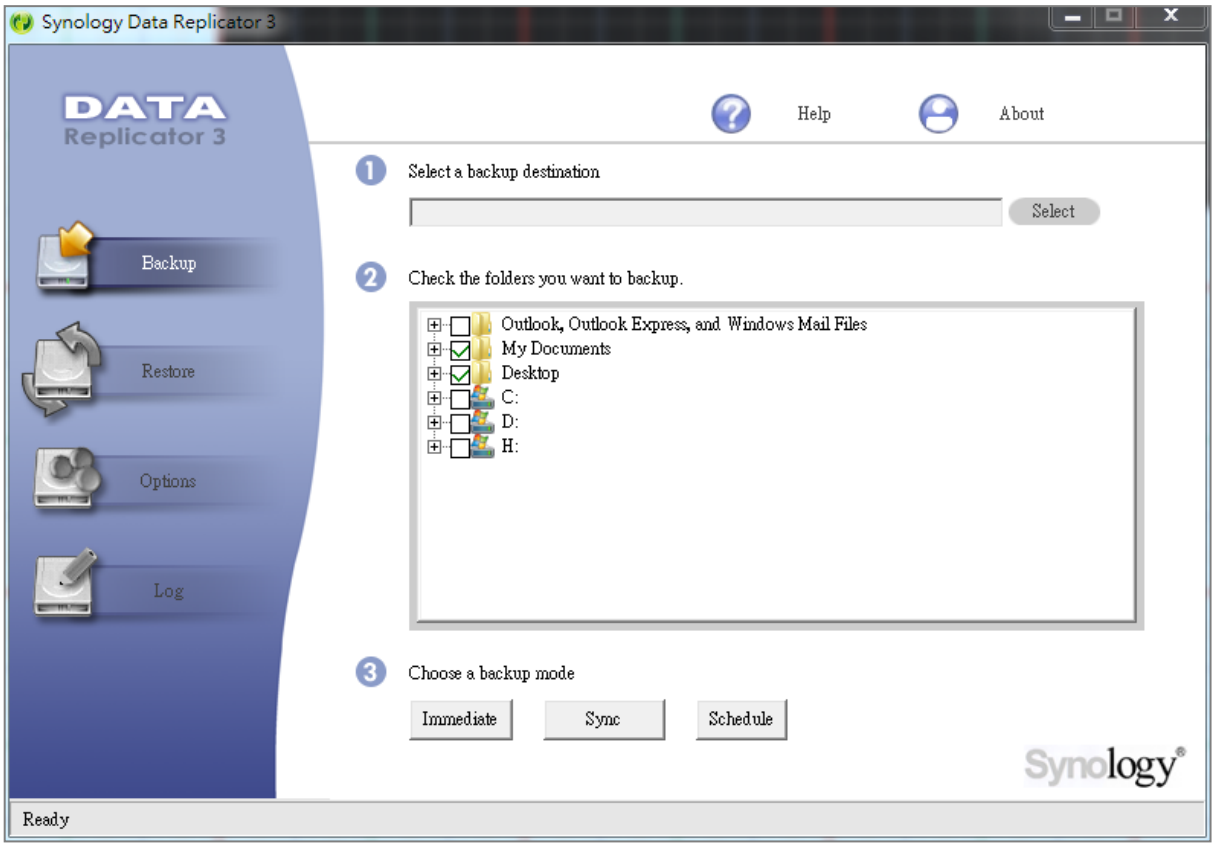
Synology offers comprehensive backup solutions for your computer. You can back up data on your computer to USB Station 2.

Back Up Computer Data

Synology-designed Data Replicator 3 allows you to back up data from a Windows computer to USB Station 2.

Use Data Replicator for Windows

The Synology Data Replicator installation package can be found on the installation disc and Synology's Download Center at: **http://www.synology.com/support/download.php**



What Can Data Replicator Do?

- Monitor specific folders on your Windows computer and perform real-time backup when any modification to the contents within a monitored folder is made.
- Adjust backup versions and restore points.
- Restore backup data from USB Station 2 to your Windows computer according to your preference.

Important:

- Your computer and USB Station 2 should use the same encoding. See "Language" on Page 25 for more information.

Data Replicator Requirement

- **Free HDD Space:** 5MB
- **Operating System:** Windows 2000 or later
- **Best Screen Resolution:** 1024 x 768 or above
- **Network Environment:** Microsoft Networking over TCP/IP enabled and has network connection with USB Station 2

Install Data Replicator

1 Insert the installation disc into the optical drive of your computer.

2 Click **Data Replicator 3**, and follow the onscreen instructions to finish installation.

Use Data Replicator

For detailed instructions on how to use Data Replicator, see its Help by clicking the **Help** button.

Use Time Machine for Mac

USB Station 2 provides compatibility for backup with Apple Time Machine. Mac users can back up their data to USB Station 2's shared folder without problem.

To set USB Station 2 as Time Machine's backup destination:

1 Go to **Main Menu** > **Control Panel** > **Win/Mac OS** and tick **Enable Mac file service**.

2 Choose a shared folder from the **Time Machine** drop-down menu. The chosen shared folder will become Time Machine's backup destination.

Note: For more information about using Time Machine, see the help on your Mac computer.

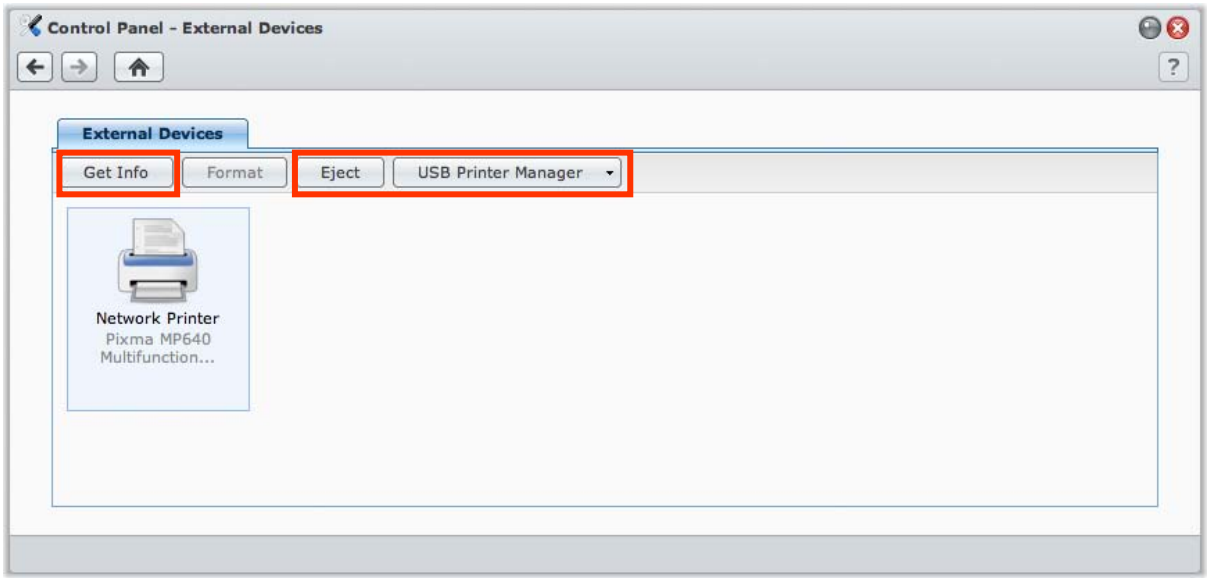
Chapter 9

Host a Print Server

USB Station 2 is especially designed for small and medium businesses (SMB), providing them with the ability to set up a print server on USB Station 2 without spending extra money.

Set USB Station 2 as Print Server

Go to **Main Menu** > **Control Panel** > **External Devices** to set USB Station 2 as the print server over your local area network, allowing client computers or mobile devices to access printers connected to USB Station 2 for printing, faxing, or scanning.[1]

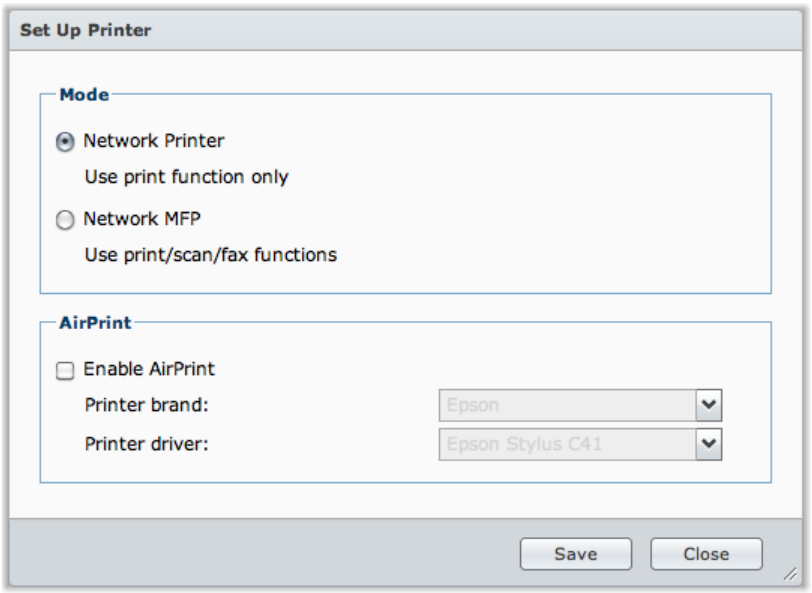


Note: One USB Station 2 can be connected by up to 2 USB printers.

[1] For recommended peripheral models, including hard drive, USB printer, DMA, and UPS, please visit **www.synology.com**.

Set up Print Server on USB Station 2

Under the **External Devices** tab, you can set up print server on USB Station 2.



To set up print server on USB Station 2:

1 Connect the network printer to the USB port of USB Station 2, and select the printer's thumbnail appearing on the device list.

2 Choose **USB Printer Manager** > **Set Up Printer**, and choose either of the following operation modes:

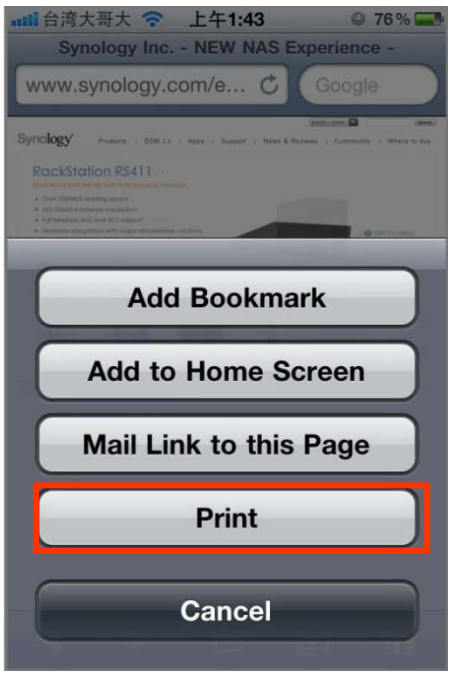
- Choose **Network Printer** If your printer only supports printing, or you want clients over the local area network to access the printing function only. If you want to print to the printer from an iOS device, tick **Enable AirPrint** and choose your printer's brand and driver from the **Printer brand** and **Printer driver** drop-down menus.
- Choose **Network MFP** if you want clients over the local area network to use print/scan/fax functions of your multifunctional printer.

> ***Note:***
>
> - **Network MFP** mode is available for Windows computers only.
> - Enabling AirPrint will also enable DSM's Bonjour Printer Broadcast function. See "Manage Mac File Service" on Page 36 for more information.
> - Before enabling AirPrint, printer driver will be installed on your USB Station 2. To provide storage space required for driver installation, make sure a USB disk is connected to the USB port of your USB Station 2, and the **usbshare[number]** shared folder is created at **Main Menu** > **Control Panel** > **Shared Folder**.

3 Click **Save**, and then click **Close**.

Access Print Server with iOS Devices

If you have enabled DSM's AirPrint support by following the instructions of the "Set up Print Server on USB Station 2" section, any iOS devices running on iOS 4.2 or later can print to the printer connected to your USB Station 2.[1]



To access the print server with an iOS device:

1 Use your iOS device to browse to the document, web page, mail message, or photo you want to print.

2 Tap the action button, and then tap **Print**.

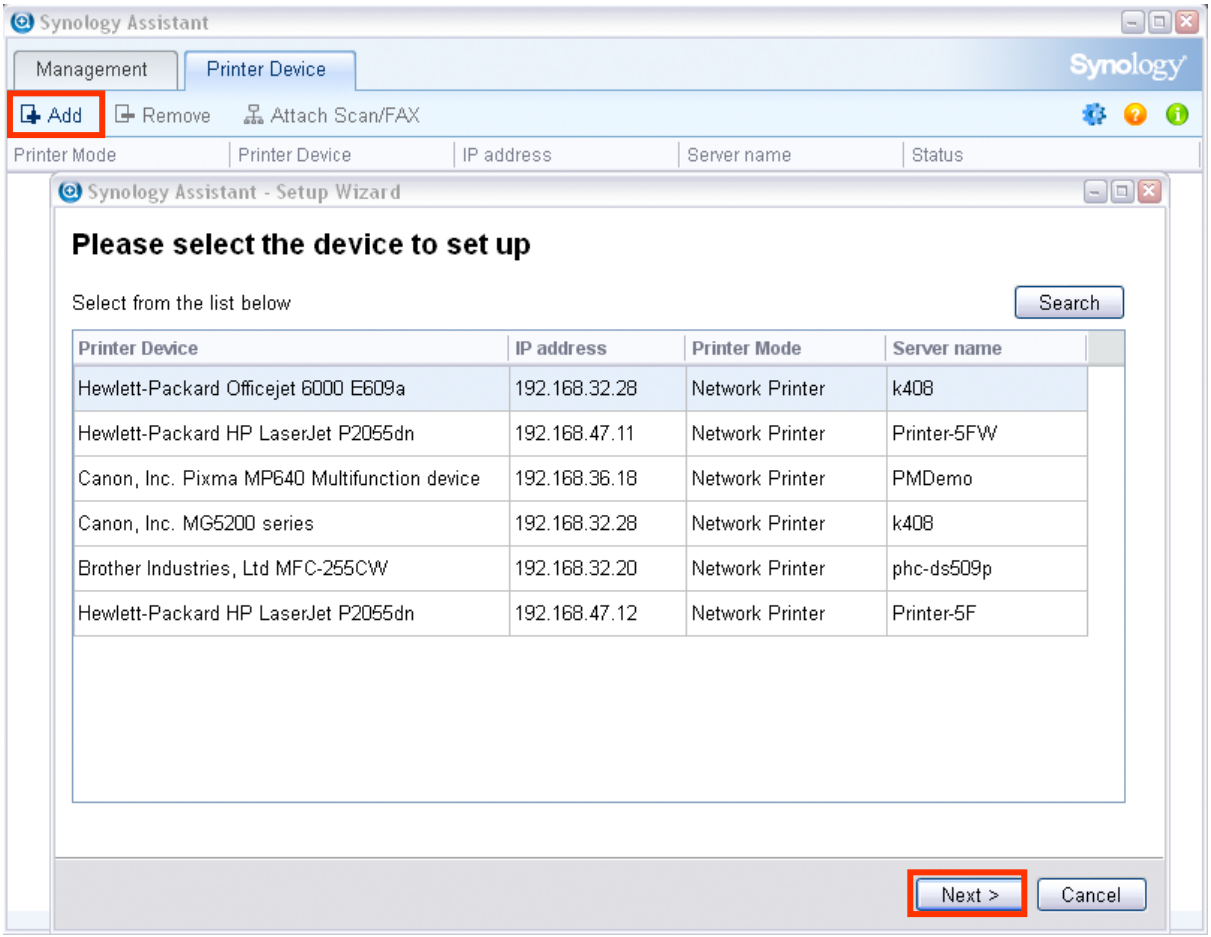
3 Select the printer named **[Printer_Name (USB_Station_2_Name)]**, and then tap **Print**.

> ***Note:*** AirPrint is available for the **Network Printer** mode only.

[1] For recommended peripheral models, including hard drive, USB printer, DMA, and UPS, please visit **www.synology.com**.

Set up Computer to Access Print Server

After the print server is set up on your USB Station 2, Windows, Mac, and Linux client over the local area network can connect to the print server and access its print/fax/scan service.



To set up print server access with Windows:

1 Install and open Synology Assistant on your computer.

2 Click the **Printer Device** tab, click the **Add** button, and follow the wizard to complete the setup process. If you cannot see the **Printer Device** tab, enable it by clicking the **Settings** button (with a gear icon) at the top-right corner.

Note: For other methods of setting up print server access, go to **Main Menu** > **Control Panel** > **External Devices**, click the **Help** button at the top-right corner, and refer to **Other methods to set up a Network Printer**.

To set up print server access with Mac OS X:

1 Make sure DSM's Bonjour Printer Broadcast function is enabled. See "Manage Mac File Service" on Page 36 for more information.

2 For ways of setting up printer server access with Mac OS X, click the **Help** button (with a question mark) at the top-right corner of the **External Devices** tab, and then refer to the **Set up The USB Printer With Your Mac** section.

After the print server access is set up, clients over the local area network can access the printing/faxing/scanning service provided by the print server.

Release the Connection between Printer and Client

Under the **External Devices** tab, you can release the connection between the printer and a client.

When do I need to release the printer?

After a client connects to the multifunctional printer to receive faxes and scan files, the connection needs to be released to allow the next client in line to connect to the printer for faxing and scanning.

For more information about attaching or releasing a printer, click the **Help** button at the top-right corner of **Synology Assistant**, and refer to the **Attach/Release the printer** section.

To release the connection between the multifunctional printer and a client:

1 Select the printer from the device list.

2 Choose **USB Printer Manager** > **Release Printer**.

Note:

- **Release Printer** is only necessary for the **Network MFP** mode.
- **Release Printer** is not available when no client is attaching to the printer.

Manage Printer

Under the **External Devices** tab, you can manage the network printer connected to your USB Station 2.

To get the printer's information:

1 Select the printer from the device list.

2 Click **Get Info**.

To remove all printing tasks from all printers (Network Printer mode only):

Choose **USB Printer Manager** > **Clean up spool space**.

To disconnect the network printer:

1 Select the printer from the device list.

2 Click **Eject**.

After the printer is ejected, you can disconnect the printer from the USB port of USB Station 2.

Chapter 10

Play Music with Audio Station

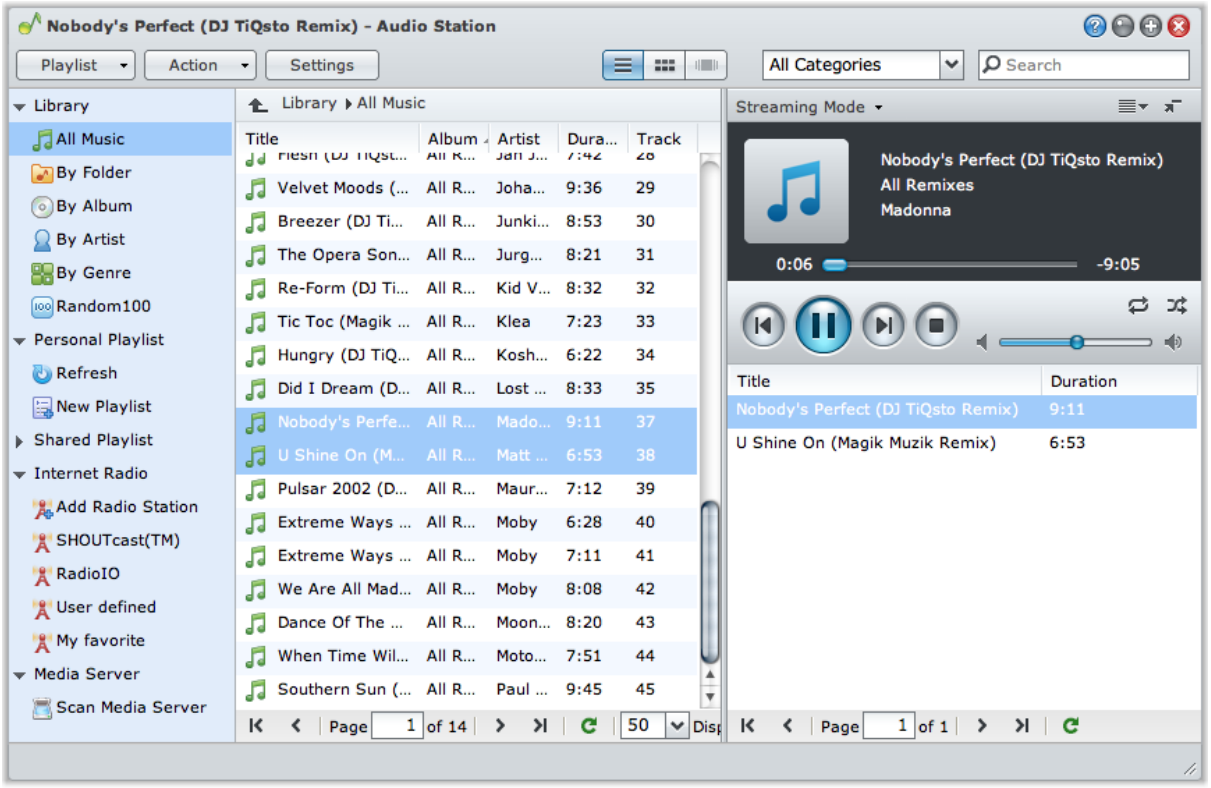
Audio Station is a web-based audio application, allowing you to access the music library on your USB Station 2, choose available audio sources on the local area network, and add your favorite music to playlists for playback.

With Audio Station, you can also browse and play songs on your iPod or on the DLNA-certified Digital Media Servers, and listen to Internet radio.

Audio Station can play music through USB speakers connected to your USB Station 2, your computer, DLNA-certified Digital Media Renderers, or external speakers or home stereo equipment connected to the audio dock of Synology Remote (sold separately).

This chapter explains how to enable Audio Station, choose audio source, browse music from the source, add music to the playlist, and add music and playlists to the queue panel for playback.

Important: Before enabling Audio Station, make sure you have chosen your multimedia source and refreshed the multimedia database at **Main Menu** > **Control Panel** > **Multimedia Database**. See "Manage Multimedia Database" on Page 108 for more information.

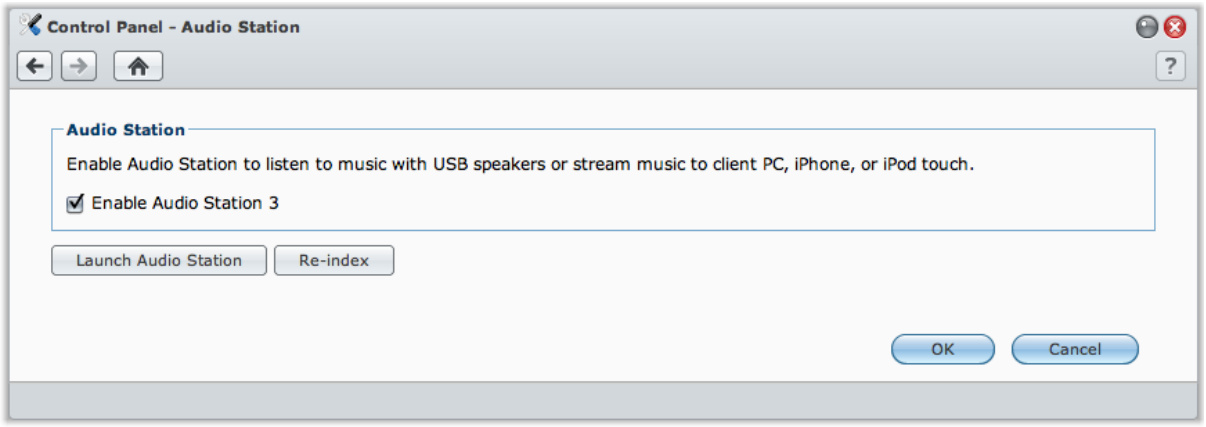


Note: Audio Station supports the following formats:

- **Audio:** (USB Mode) AAC, FLAC, M4A, MP3, Ogg Vorbis, WMA, WMA VBR; (Streaming Mode) MP3, M4A, M4B
- **Playlist:** M3U, WPL

Enable Audio Station

Go to **Main Menu** > **Control Panel** > **Audio Station** to enable Audio Station.


Control Panel - Audio Station
Audio Station
Enable Audio Station to listen to music with USB speakers or stream music to client PC, iPhone, or iPod touch.
Enable Audio Station 3
Launch Audio Station
Re-index
OK
Cancel

To Enable Audio Station:

Click **Enable Audio Station 3** and click **OK**.

To re-index audio files:

Click **Re-index** to reconstruct the index structure of the audio files If you found missing music in Audio Station. The process will be executed in the background.

To launch Audio Station, do any of the following:

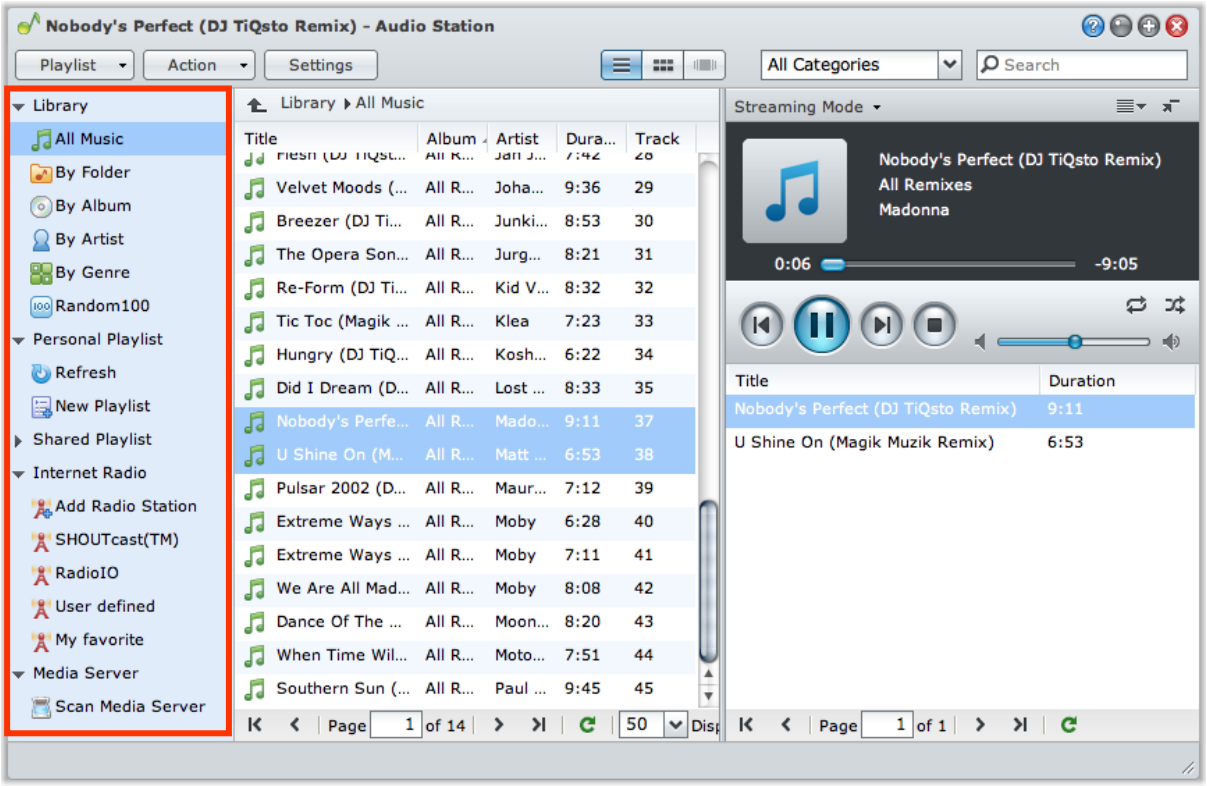
- Click **Launch Audio Station**.
- Go to **Main Menu** and click **Audio Station**.

To connect via Mobile Device:

You can download DS audio from Apple's App Store or Android Market to play the music in Audio Station with your iOS and Android device. For more information about DS audio, see "Chapter 14: Communicate with Mobile Devices" on Page 118.

Choose Audio Source

On the left section of Audio Station are several audio sources you can choose from for playback on Audio Station.



Library

The library contains music in the **music** shared folders of your USB Station 2, which will be organized into the following categories.

To browse your music library, do any of the following:

- Click **All Music** to browse all music in the **music** shared folder.
- Click **By Folder** to browse music by directory.
- Click **By Album** to browse music by the album information of the song.
- Click **By Artist** to browse music by the artist information of the song.
- Click **By Genre** to browse music by the genre information of the song.
- Click **Random100** to browse 100 songs chosen randomly by the system.

Personal and Shared Playlist

You can click the disclosure triangle next to **Personal Playlist** or **Shared Playlist** to see your personal playlists (viewable by yourself only) or shared playlists (viewable by all DSM users with access to Audio Station).

To edit your playlist, do any of the following:

- Select **Refresh** to update all playlists.
- Select **New Playlist** to create a new playlist.

> ***Note:*** Only users with the **Manage Playlist** privilege (in **Settings** > **Privileges** in the top-left corner) can edit or add playlists.

Smart Playlist

You can click the disclosure triangle next to **Smart Playlist** to see your smart playlists.

To refresh your smart playlist:

Select **Refresh** to update all smart playlists.

To add or edit a smart playlist, do any of the following:

- **Add or edit in DSM:**
  - **a** Go to **Main Menu** > **Control Panel** > **iTunes** in Synology DiskStation Manager.
  - **b** Click **Smart Playlist** to add or edit your playlist.
- **Add or edit in Audio Station:** See "Work with Playlist" on Page 74 for more information.

iPod

If there is an iPod classic connected to the USB port of your USB Station 2, you can click the disclosure triangle next to **iPod** to see the iPod connected to the USB port on USB Station 2.

To refresh iPod contents:

Select **Refresh** to update the iPod contents.

> ***Note:***
>
> - Audio Station only supports iPods formatted by iTunes for Windows.
> - Only users with the **USB/UPnP Renderer** privilege (in **Settings** > **Privileges** in the top left corner) have access to iPod contents.

Internet Radio

Audio Station comes with lists of Internet radio stations provided by **SHOUTCast(TM)** and **RadioIO**. You can also add your radio stations manually.

To add a radio station:

1. Select **Add Radio Station** to open the settings window.
2. Fill in the corresponding information (**Name**, **Description**, and **URL**) to add a radio station to the **User defined** list.

To see the list of radio stations:

1. Select an existing Internet radio provider or **User defined** list.
2. See the details of its radio stations in the main section.
3. Drag your favorite radio stations to **My favorite** for quick access.

Media Server

Audio Station can browse and play media contents on DLNA-certified Digital Media Servers, other Synology DiskStations or USB Station 2 on the local area network.

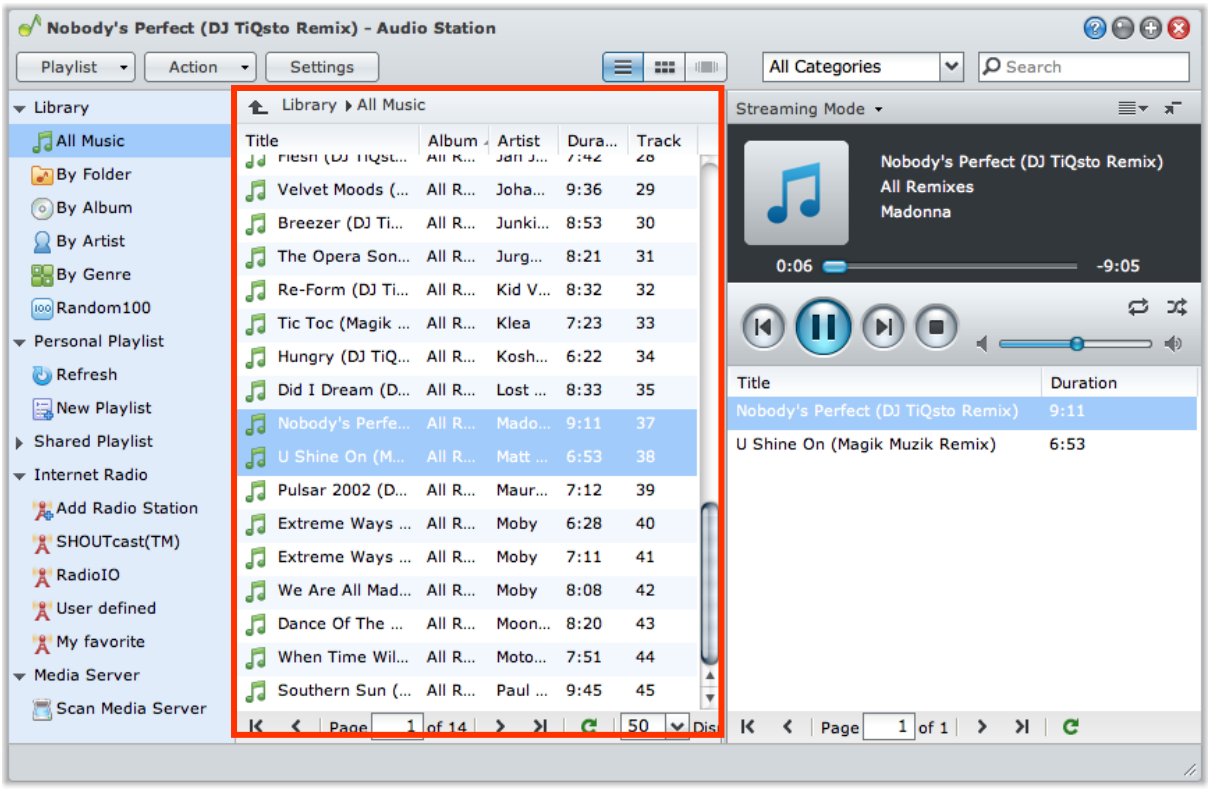
To search for media servers on the local area network:

Select **Scan Media Server** to search for available servers.

> ***Note:*** Only users with the **UPnP Browsing** privilege (in **Settings** > **Privileges** in the top left corner) can play media server contents.

Organize Your Music

After selecting one of the audio sources on the left side, you can browse its contents in the main section of the Audio Station, and organize your favorite music into playlists.



Browse Music

You can change views, see your current location, and use the search field to find your music quickly.

> ***Note:*** If you see unreadable song titles, album names, or artist names while browsing through your music, go to Synology DiskStation Manager to set the correct codepage that matches the language of your computer, and then re-index your music. See "Language" on Page 25 and "Enable Audio Station" on Page 69 for more information.

Change Views

By clicking the three buttons above the main section, you can browse your songs in different views.

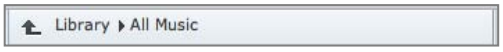
There are three views to browse your songs:

- **List** (the first button): Organize your items in a list.
- **Icon** (the second button): The icons or artwork (if any) of your songs or folders appear in the main section.
- **Cover Flow** (the third button): All icons/artwork and song/directory names appear using Cover Flow, a fancy way to flip through your library.

> ***Note:*** **Cover flow** is available only when browsing the library using **By Album** or **By Artist**.

See Your Current Location

You can use the **Up** icon (with an upward arrow) or any of the path names above the main area to go back to previous directories.



To go back to a previous directory, do any of the following:

- Click the **Up** button to go back to the last directory.

- Click any of the path names to the right of the **Up** icon to go back to a previous directory.

Search Music

You can use the search field above the music player section of Audio Station to search your music.

To search music:

1. Choose a category from the **All Categories** drop-down menu.
2. Enter a word or phrase in the search field.
3. Press Enter (PC) or Return (Mac) on your keyboard.

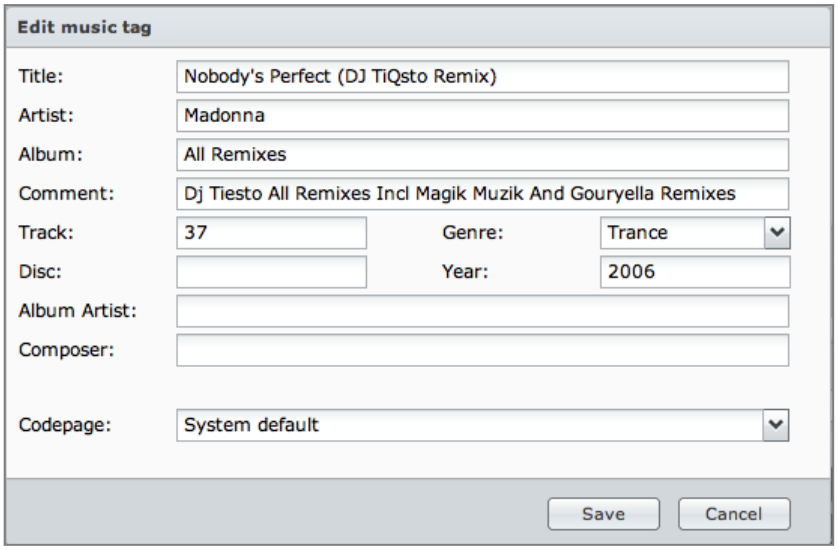
The search result will appear in the main section.

To filter the artist, album, or genre to show in the main section:

When you are at the root directory of **By Album**, **By Artist**, or **By Genre**, you can see the **Filter** field above the main area of Audio Station. Enter a keyword in the field and press "Enter" on your keyboard to quickly find the album, artist, or genre you want, depending on your current location.

Edit Music Information

With Audio Station, you can view or edit the information of music files.



To view or edit music information:

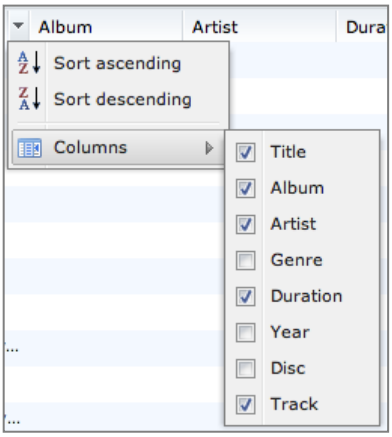
1. Select one or more music files, and right-click to choose **Edit music tag**.
2. Here you can view or modify the music file's information, or choose a language from the **Codepage** drop-down menu to convert non-Unicode text to Unicode and display the text in the correct language. (**System default** is the codepage you specified at **Main Menu** > **Control Panel** > **Regional Options**.)
3. Click **Save** to finish the setup.

Note:

- You can only edit music files in the following formats: mp3, wma, wav, ogg.
- Only users with the **Edit Music Tag** privilege (in **Settings** > **Privileges** in the top left corner) can edit music information.

Display Additional Attributes

You can display additional attributes of your music to show them in new columns of the main section.



To display additional attributes:

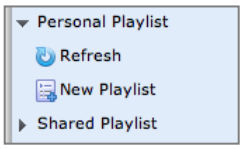
1 Hover the pointer over any column header of the main section, and click the downward arrow that appears to the right of the header.

2 From the pop-up menu, choose the **Columns** submenu.

3 Tick the checkboxes next to the extra attributes to show them in new columns.

Work with Playlist

You can organize your songs into playlists to categorize and access your favorite music more easily.



There are two types of playlists: **Personal playlist** (viewable by the DSM user who creates the playlist) and **shared playlist** (viewable by all DSM users with access to Audio Station).

To create a playlist, do any of the following:

- **Method 1:**
  - **a** Click **New Playlist** under **Personal Playlist** or **Shared Playlist** to create an empty playlist.
  - **b** While browsing through the library, select any songs/radio stations in the main section.
  - **c** Drag the selected songs/radio stations to the playlist you just created.
- **Method 2:**
  - **a** While browsing through your library, select any songs/radio stations you want in the main section.
  - **b** Drag the selected songs/radio stations to **New Playlist** below **Personal Playlist** or **Shared Playlist**.
- **Method 3:**
  - **a** Go to **Playlist** > **New Playlist** at the top-left corner to create an empty personal playlist. (if you want to create a shared playlist, tick **Add as shared playlist**.)
  - **b** While browsing through the library, select any songs in the main area, and then drag them to the playlist you just created.

To create a smart playlist:

1 Go to **Playlist** > **New Smart Playlist** at the top-left corner to create a personal smart playlist.

2 Name the playlist and click **OK**.

3 In the window that appears, click **Add Rule** to set the rules, and click **OK**.

4 You will see the new smart playlist under **Personal Playlist** on the left panel.

Note:

- You cannot add folders to playlists.
- You can also add songs from the queue to a new playlist. See "About the Output Modes and the Queue Panel" on Page 76 for more information.
- DSM **admin** can create shared smart playlists by going to DSM's **Main Menu** > **Control Panel** > **iTunes** and clicking the **Smart Playlist** button.

To rename or remove a playlist:

Right-click the playlist and choose **Rename** or **Delete**.

To adjust the order of songs in a playlist, do any of the following:

- Select songs in the main section and click **Up** or **Down** on the top to move them up or down in the playlist.
- Select and drag the songs up or down in the main section.

To remove songs from a playlist:

Press and hold Shift or Ctrl while making multiple selections, and right-click to choose **Delete**.

To copy a shared playlist to a personal playlist and vice versa:

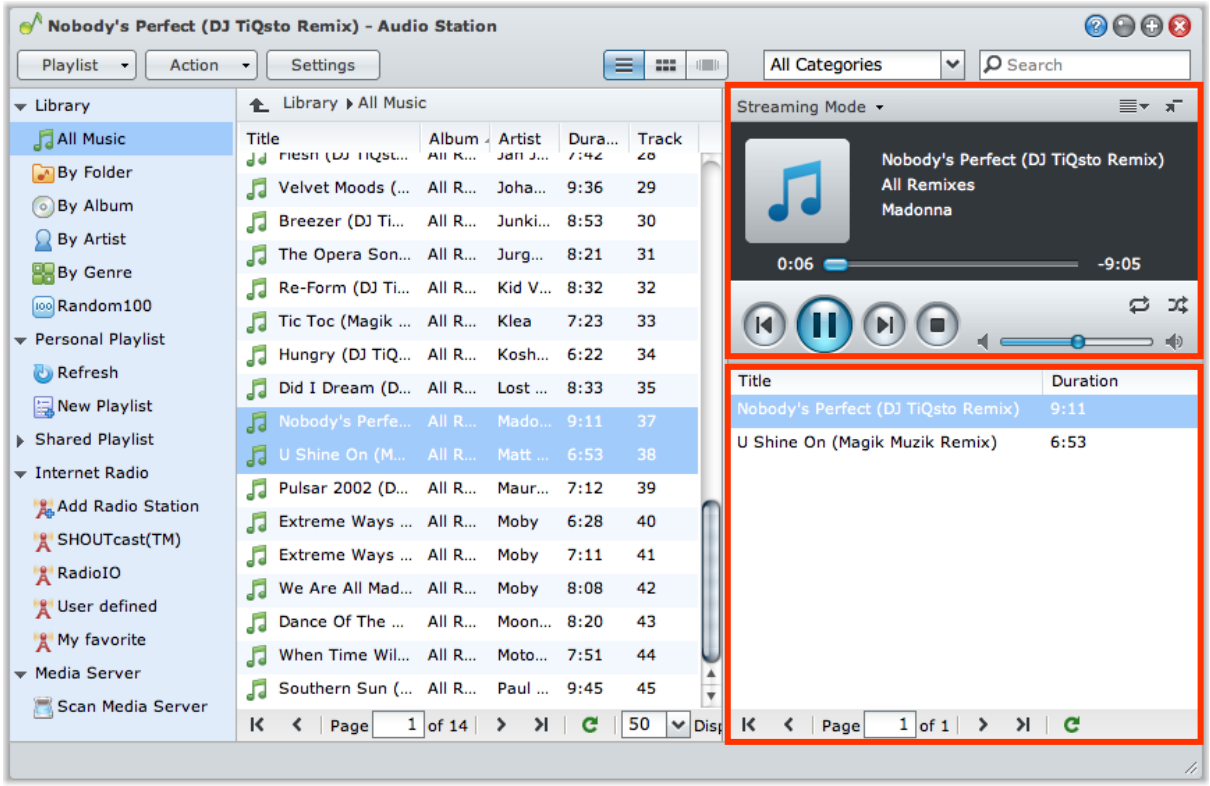
Right-click the playlist and choose **Copy to personal playlist** or **Copy to shared playlist**.

To edit the rules of a smart playlist:

Right-click the playlist and choose **Edit smart playlist** to modify the rules.

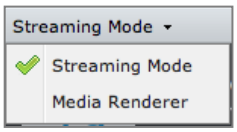
Play Music

The right side of Audio Station consists of the queue panel and the music player. You can play the music added to the queue with the music player.



About the Output Modes and the Queue Panel

To play music via different devices, you can add songs to the different output modes in the queue panel.



The output modes include the following:

- **Streaming Mode**: Stream music to your computer for playback via the speakers of your computer.
- **USB Mode**: Play music via the USB speakers connected to the USB port of your USB Station 2, or via external speakers or home stereo equipment connected to the audio dock of Synology Remote (sold separately).
- **Media Renderer**: Play music via a Digital Media Renderer (DMR) within your local area network.

> ***Note:***
>
> - **USB Mode** and **Media Renderer** mode are available only when corresponding output devices are found by Audio Station.
> - For more information about Synology Remote, visit **www.synology.com**.

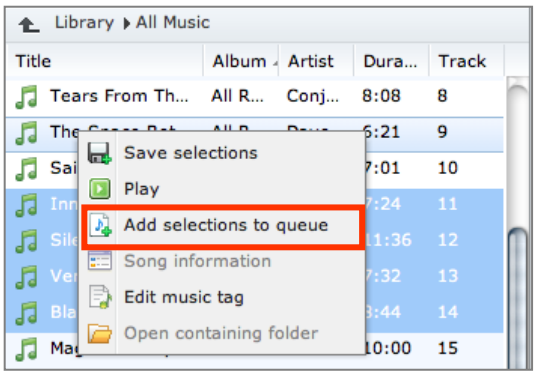
To switch between output modes:

Choose any of them from the drop-down menu at the top of the music player.

> ***Note:*** You can play music in different modes at the same time.

Add Music to Queue

You can add your songs from the library to the queue panel on the right side for playback.

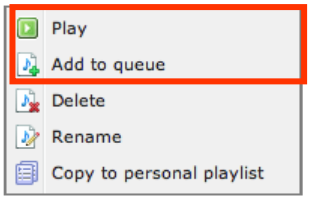


To add your songs from the library to the queue panel, do any of the following:

- Double-click an item in the main section to add it to the queue and start playing it right away.
- Select one or more items in the main section, and then drag them to the queue.
- Select one or more items in the main section, right-click and choose **Add selections to queue** to add selected songs to the queue.
- Right-click an item and choose **Add all to queue** to add all items in the same directory to the queue.

Add a Playlist to Queue

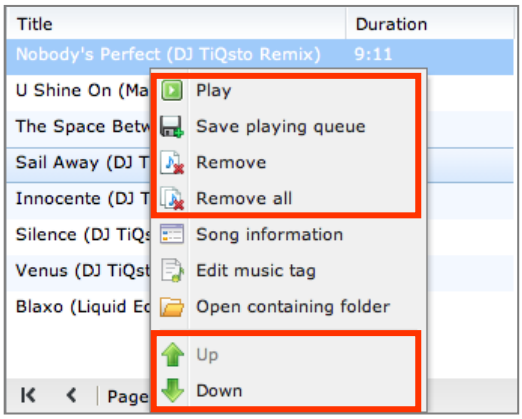
You can add or append playlists to the queue panel on the right side for playback.



To add a playlist to the queue and replace the existing songs in the queue:
Right-click the playlist and choose **Play**. Audio Station will play the songs in the playlist immediately.

To append a playlist to the queue without replacing the existing songs in the queue:
Right-click the playlist and choose **Add to queue**.

Manage Songs in the Queue Panel



To play a song in the queue:
Right-click the song and choose **Play** to play it right away.

To adjust the order of songs in the queue, do any of the following:

- Select and drag the songs up and down in the queue.
- Select the song, right-clicking one of them, and choosing **Up** or **Down**.

To add all songs in the current queue panel to a new playlist:
Right-click any of the songs and choose **Save playing queue**.

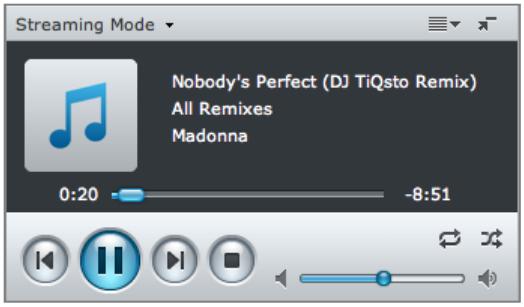
To remove a song from the queue:
Select the song, right-click and choose **Remove**.

To remove all songs from the queue:
Right-click any of the songs and choose **Remove all**.

> ***Note:*** Only users with the **USB/UPnP Renderer** privilege (in **Settings** > **Privileges** in the top left corner) can play music through USB devices or UPnP renderers.

Play Music with Music Player

You can play the music added to the queue with the music player.



The upper part of the music player displays the information of the currently playing music, including the song's title, album, artist, and duration. The lower part contains the controls you can use to control music playback.

To play a song:
Click **Play/Pause**, **Next**, or **Previous**.

To skip to any point in the currently playing song:
Drag the playhead along the timeline (below the song's duration) to any point you want.

To customize sound frequencies with equalizer (USB mode only):
Click the **EQ** button to open the equalizer, tick the checkbox, and choose a preset from the drop-down menu. You can also drag the sliders and save your own **User Defined** preset.

To adjust the volume:
Drag the volume slider below the timeline.

To repeat all songs or currently playing song in the queue, or turn off repeat:
Click the **No repeat, repeat all, or repeat one** button (the first button from the left in the lower-right corner of the music player).

To play the songs in the queue in random order:
Click **Shuffle on/off** (the second button from the left in the lower right corner of the music player).

Play Music with Mini Player

Click the **Switch to mini player** button at the top-right corner of the music player.

To play a song:
Click **Play/Pause**, **Next**, or **Previous**.

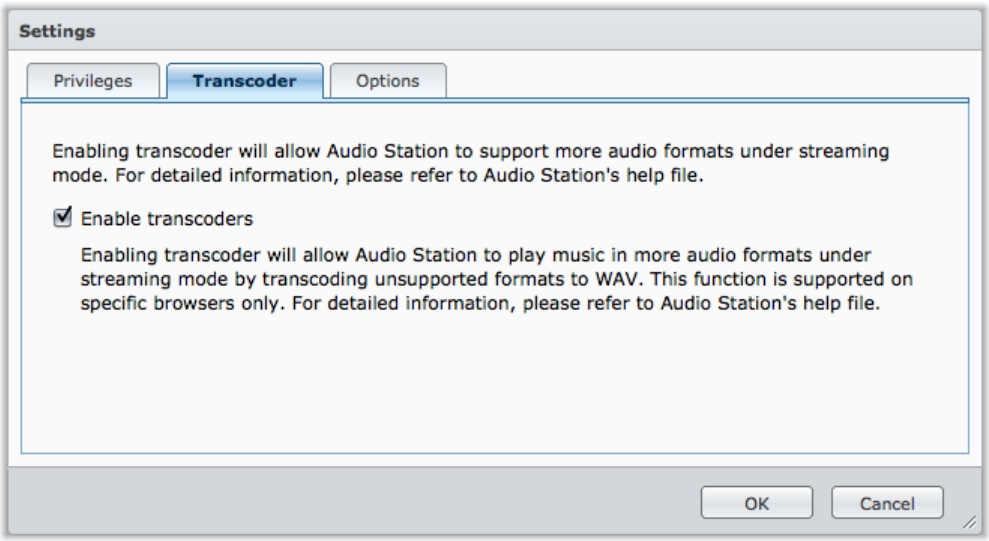
To skip to any point in the currently playing song:
Drag the playhead along the timeline (below the song's duration) to any point you want.

To adjust the volume:
Drag the volume slider below the timeline.

To switch back to the full mode:
Click the **Switch to full mode** button at the bottom-right corner of the mini player.

Enable Transcoder

Enabling transcoder will allow Audio Station to support more audio formats under streaming mode. The following audio formats will be transcoded to WAV format if your browser does not support them: FLAC, APE, AAC, OGG, AIFF, WMA.


Settings
Privileges
Transcoder
Options
Enabling transcoder will allow Audio Station to support more audio formats under streaming mode. For detailed information, please refer to Audio Station's help file.
Enable transcoders
Enabling transcoder will allow Audio Station to play music in more audio formats under streaming mode by transcoding unsupported formats to WAV. This function is supported on specific browsers only. For detailed information, please refer to Audio Station's help file.
OK
Cancel

To enable transcoder:

1 Go to **Settings** > **Transcoder**.

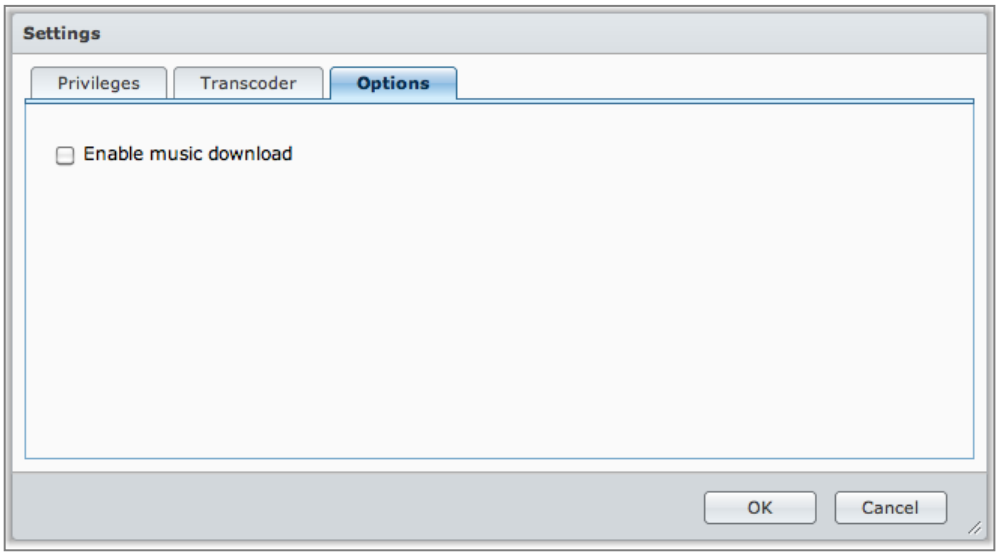
2 Tick **Enable transcoders**.

3 Click **OK**.

> ***Note:*** Transcoder is supported on specific browsers only: Firefox 3.5 and above, Safari 5, Opera 10.60

Download Music

You can enable music download and then download songs from Audio Station to your local computer.



To enable music download:

1 Click **Settings** and then click the **Options** tab.

2 Tick **Enable music download**.

3 Click **OK**.

To download music, do any of the following:

- Select multiple songs by holding Ctrl key and right-click to choose **Download selected song(s)**.
- Right-click any of the songs in the queue panel, and choose **Download playing queue**.
- Right-click any playlist and choose **Download playlist**.

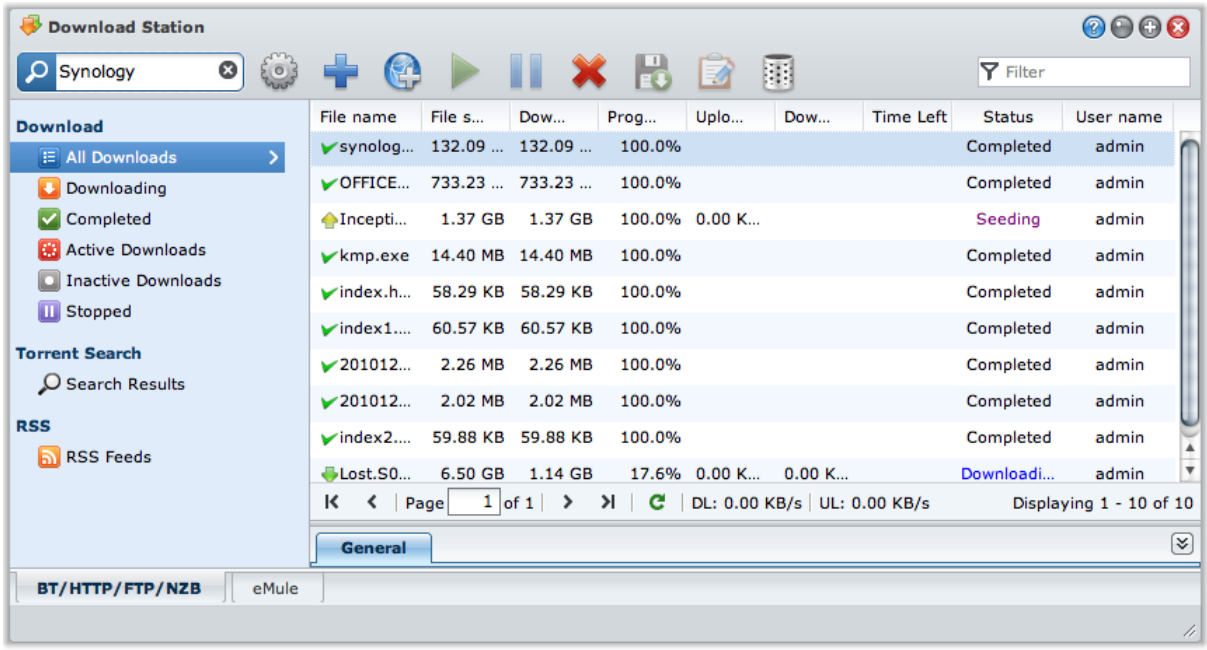
Chapter 11

Download Files with Download Station

Download Station is a web-based download application, allowing you to download files from the Internet to your USB Station 2.

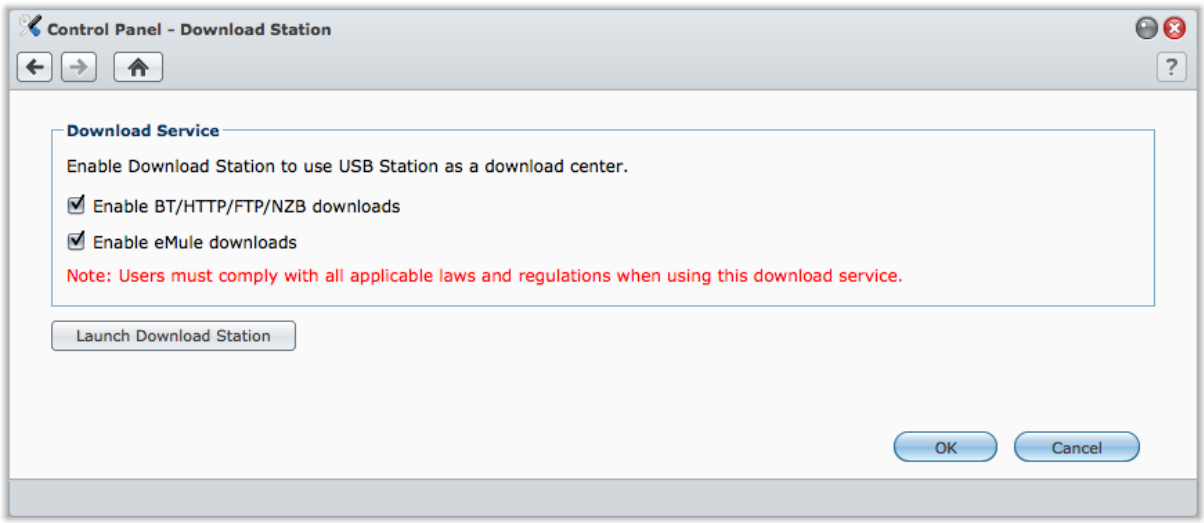
This chapter explains how to enable Download Station and manage download tasks.

Important: Before enabling Download Station, make sure you have chosen your multimedia source and refreshed the multimedia database at **Main Menu** > **Control Panel** > **Multimedia Database**. See "Manage Multimedia Database" on Page 108 for more information.



Enable Download Station

Go to **Main Menu** > **Control Panel** > **Download Station** to enable Download Station.


Control Panel - Download Station
Download Service
Enable Download Station to use USB Station as a download center.
Enable BT/HTTP/FTP/NZB downloads
Enable eMule downloads
Note: Users must comply with all applicable laws and regulations when using this download service.
Launch Download Station
OK
Cancel

To enable Download Station:

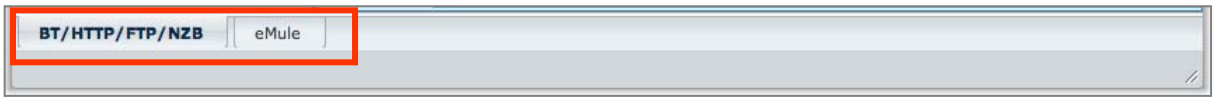
Tick **Enable BT/HTTP/FTP/NZB downloads** or/and **Enable eMule downloads**, depending on which download methods you want to use.

To connect to Download Station, do any of the following:

- Click **Launch Download Station**.
- Go to **Main Menu** > **Download Station**.

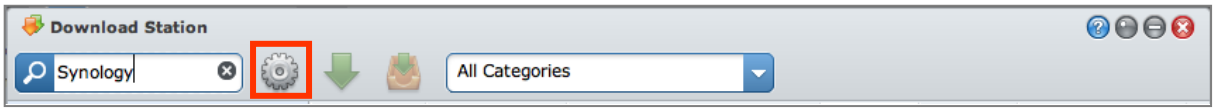
To go to the BT/HTTP/FTP/NZB or eMule section of Download Station:

After connecting to Download Station, click the **BT/HTTP/FTP/NZB** or **eMule** tab at the bottom of Download Station.



Set up BT/HTTP/FTP/NZB

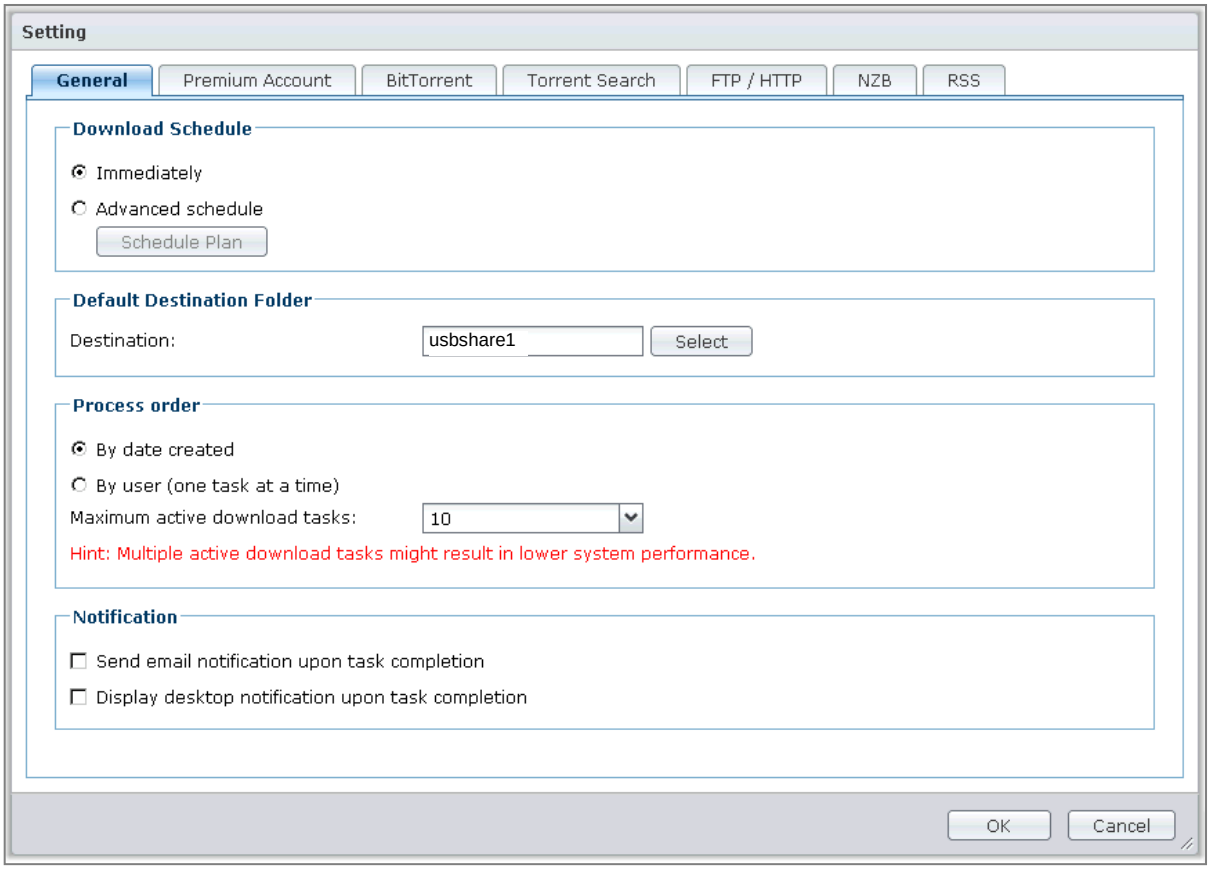
Click the **BT/HTTP/FTP/NZB** tab at the bottom of Download Station, and click the gear icon next to the search field at the top to manage the following settings of BT/HTTP/FTP/NZB.



Note: For detailed information about BT/HTTP/FTP/NZB settings, open **DSM Help** and then go to **Download Station** > **BT/HTTP/FTP/NZB** > **Set up BT/HTTP/FTP/NZB**.

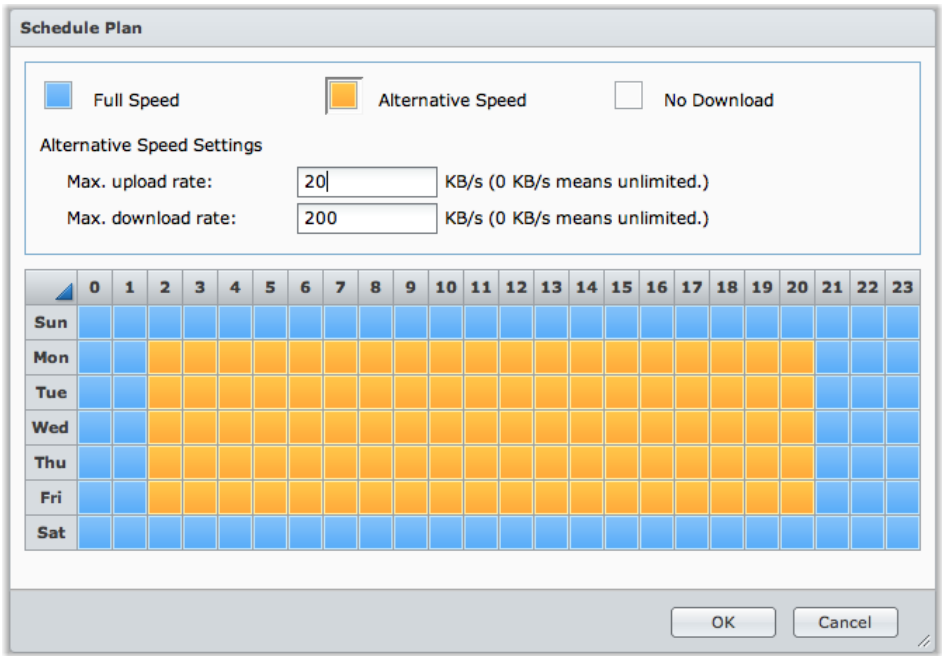
General

In this section, you can set download schedule, specify download destination folder, prioritize process order, and enable notification.



Download Schedule

You can limit BT/HTTP/FTP/NZB's download tasks to certain time period of a week and alternative speeds, so that you can free up more network bandwidth when needed.



To set advanced schedule:

1 Tick **Advanced schedule**.

2 Click **Schedule Plan** and do the following:

   a If you want to limit download tasks to alternative speeds during certain periods of a week, enter the maximum download or upload rates in the **Alternative Speed Settings** section. ("0" means unlimited.)

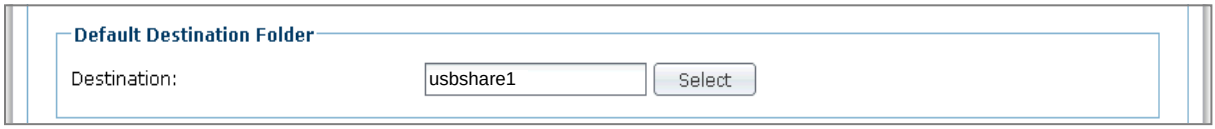
   b Choose any of the following and click on the grid to limit download tasks' time or speeds to certain period of a week:

   - **No Download**: Do not download or upload files.
   - **Default Speed**: Download or upload files at the default maximum speeds.
   - **Alternative Speed**: Download or upload files at the maximum speeds you specified in the **Alternative Speed Settings** section.

3 Click **OK**.

Default Destination Folder

Do the following to set the download destination folder for BT/HTTP/FTP/NZB.



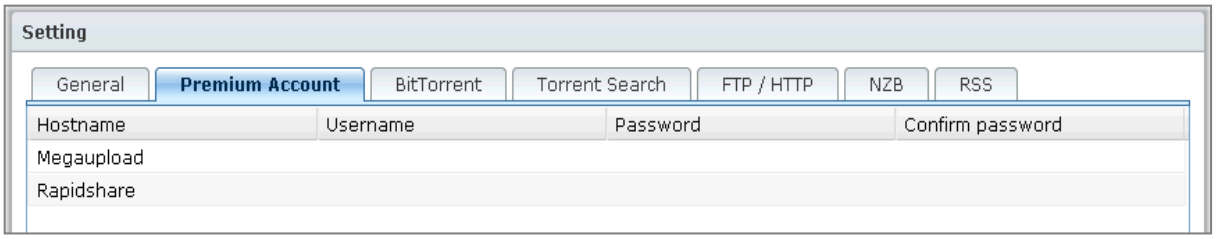
1 Click **Select** and choose a folder.

2 Click **Select**.

3 Click **OK**.

Premium Account

There are many online file sharing websites, where registered users can upload files and share the download links to the files with other people. If you have a premium membership for such websites, you can use Download Station to directly download their files without entering user credentials for each download task.



Download Station now supports the premium accounts of the following websites:

- RapidShare
- Megaupload

To enter your premium account credentials:

1 Double-click the fields under **Username**, **Password** and **Confirm password**, and enter your credentials.

2 Click **OK**.

BitTorrent

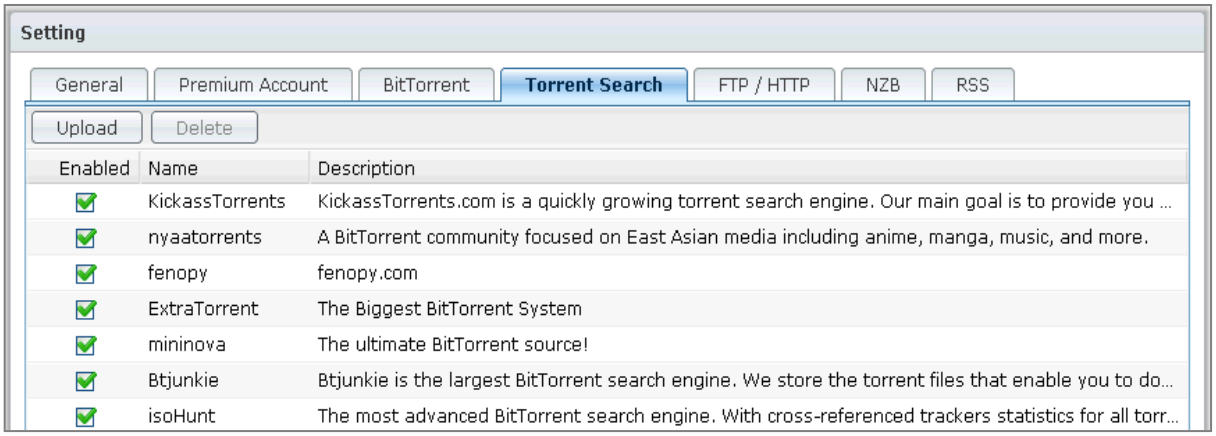
In this section, you can edit the settings for downloading BitTorrent files.

To set up BitTorrent upload and download rates:

Enter the maximum upload and download rate for BitTorrent downloads and uploads in the **Max. upload rate** or **Max. download rate** fields. ("0" means unlimited.)

Torrent Search

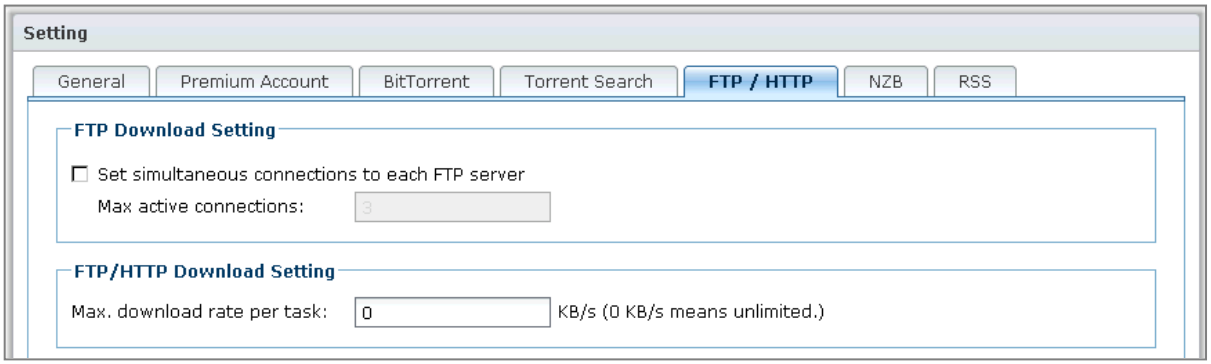
In this section, you can see a list of default BitTorrent search engines. When you use the **Torrent Search** function to search for torrent files, Download Station will list search results provided by these search engines.



You can also click **Add** and upload a BitTorrent search engine plug-in to add your favorite BitTorrent search engines to the list.

FTP / HTTP

In this section, you can set the number of simultaneous connections to one FTP server, and limit the maximum download rate of each FTP task.



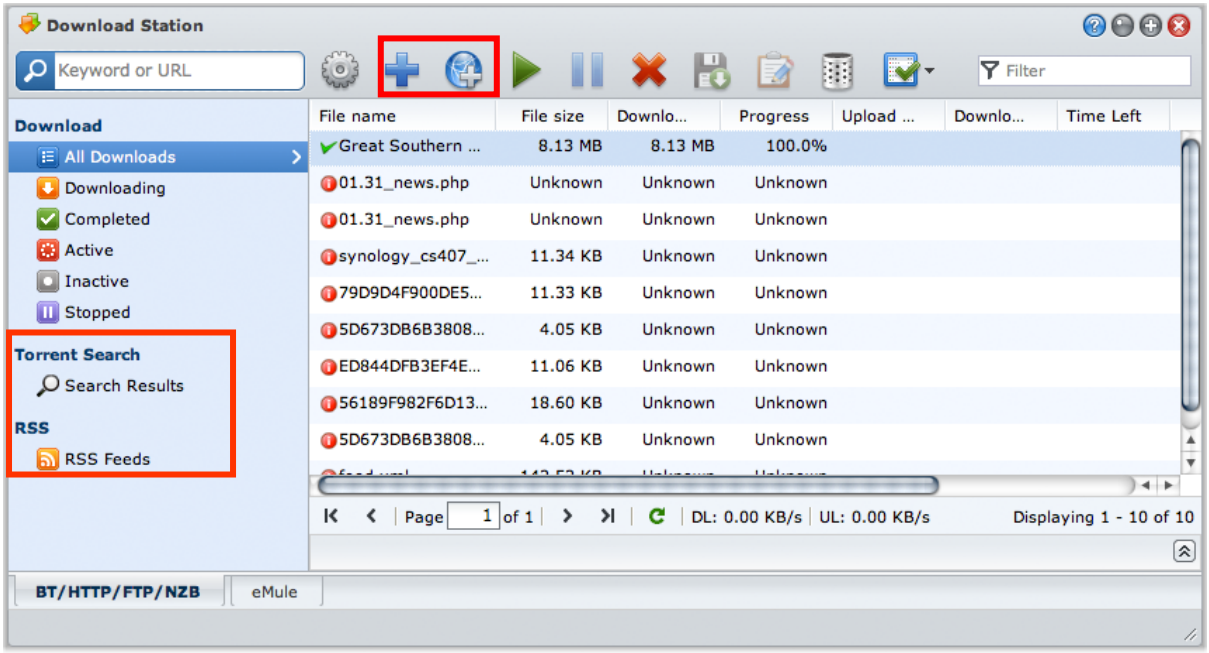
NZB

Download Station allows you to download files via a news server. The news server information must be assigned before downloading NZB files.

The maximum connections is usually limited by your news server, you can also limit maximum connections to each NZB task by giving it a value.

Create BT/HTTP/FTP/NZB Download Tasks

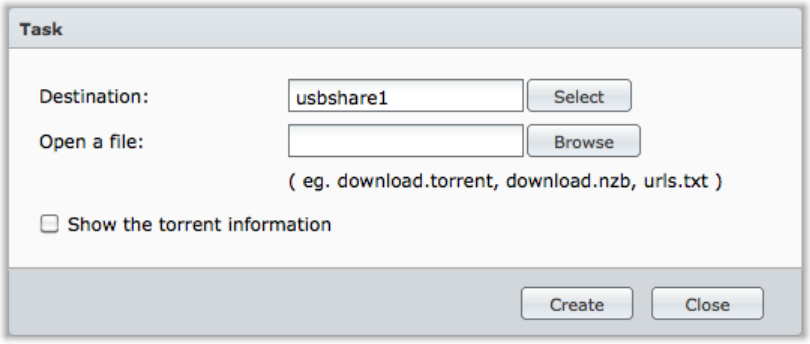
This section explains how to create BitTorrent/HTTP/FTP/NZB tasks.



Create by Uploading Files

You can create download tasks by uploading the following files from your local computer to Download Station:

- Torrent (.torrent) contains information for downloading files being shared over the BitTorrent network.
- NZB (.nzb) contains information for retrieving posts from news servers.
- URL (.txt) contains a list of HTTP/FTP URLs for downloading the linked files.



To create download tasks by uploading files:

1 Click the **Create** button.

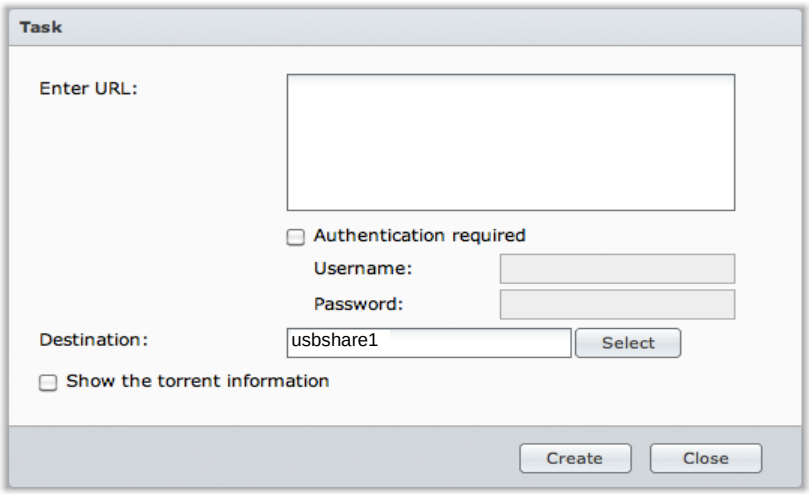
2 Click the button next to **Open a file** and browse to the files for upload. (If you have installed Flash Player 9 or later, you can make multiple selections.)

3 Click **Create**.

> ***Note:*** You can upload up to 20 files at a time.

Create by Entering URLs

You can create download tasks by entering URLs.



To create download tasks by entering URLs:

1 Click **Add**.

2 In the window that appears, enter the URLs of the file you want to download. You can enter up to 20 URLs in the box.

> ***Note:*** If you want to download a FTP folder, simply enter the FTP link with the forward slash (/) at the end of the link. All of the files and sub-directories in the folder will be downloaded.

3 If authentication is required, tick **Authentication required** and enter your username and password.

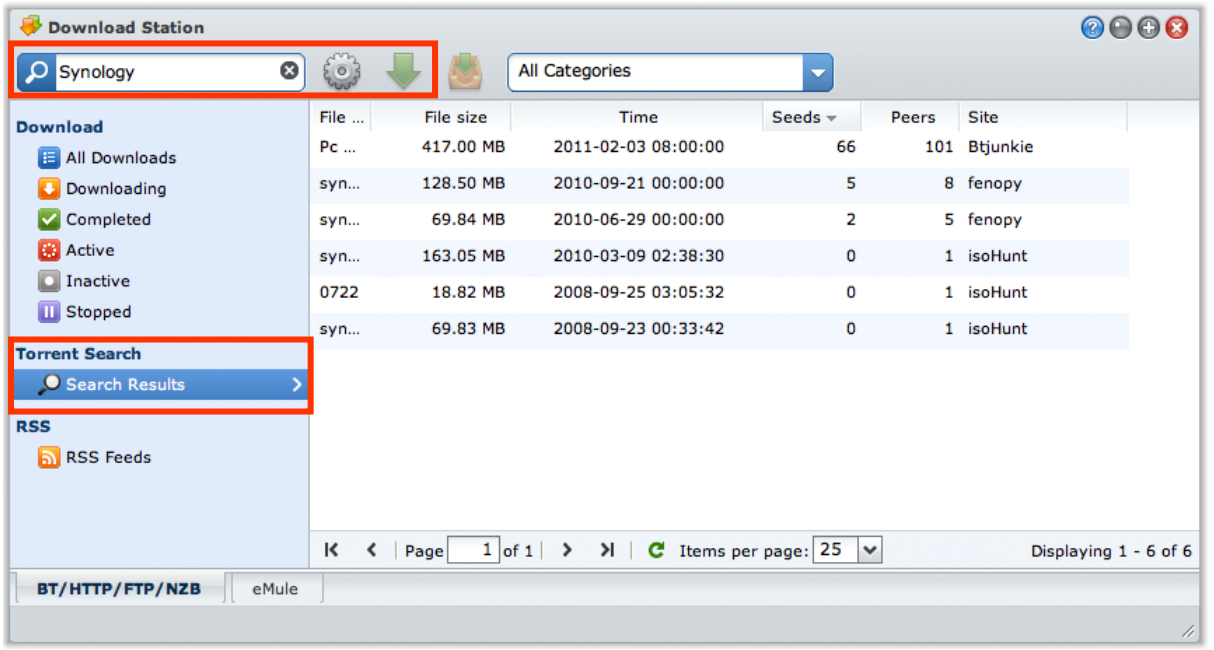
4 If you want to change your download destination, click **Select** to select another folder.

5 Click **Create**.

Create via Torrent Search

You can search for torrent files with BitTorrent search engines to help you find your favorite downloads more easily.

> ***Note:*** Before you use the **Search** function, make sure you have enabled at least one search engine at **Setting** > **Torrent Search**. See "Torrent Search" on Page 84 for more information.

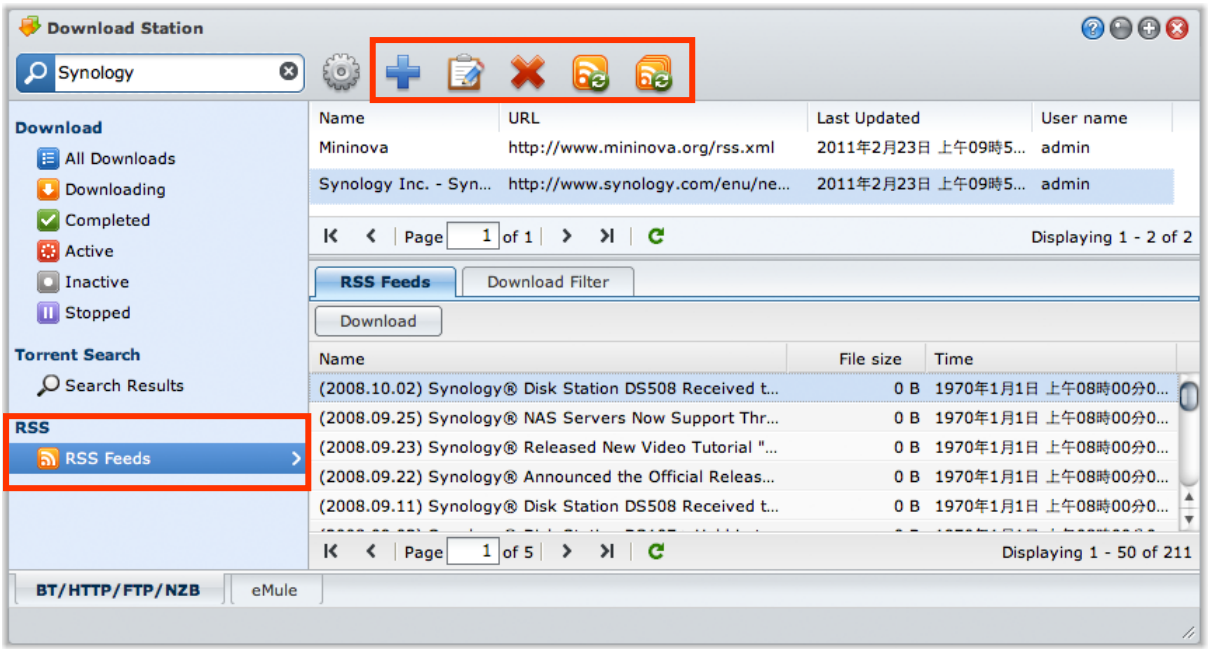


To create download tasks via torrent search:

1. Enter a keyword in the search field at the top-left corner of BT/HTTP/FTP/NZB, and press "Enter" on your keyboard to start searching.
2. Click **Search** on the left panel. The search result of available files will be listed in the main area.
3. Make your selections, and then click any of the following buttons to create download tasks:
   - **Download immediately**: Download the selected files to the default destination folder you specified at **Setting** > **General**. See "Default Destination Folder" on Page 83 for more information.
   - **Download to**: Change destination folder and modifies the torrent's URL or authentication (if required). Click **Create** to create the download task.

Create Download Tasks for RSS Feeds

You can use Download Station to download RSS feeds.



More Information

What is RSS?

RSS (Really Simple Syndication, also known as RSS feed) is an alternative way of web browsing. Web publishers often use RSS feeds to publish frequently-updated works, such as blog entries, news headlines, podcasts, photo albums, or audio/video clips.

Can Download Station download all kinds of RSS feeds?

RSS files on the website of BitTorrent search engines and iTunes podcasts are generally supported by Download Station.

Some download links in the RSS file are links to a web page rather than the actual file. This kind of RSS files will not be supported. To view and update their RSS feeds, you can use a RSS reader (such as Google Reader) instead.

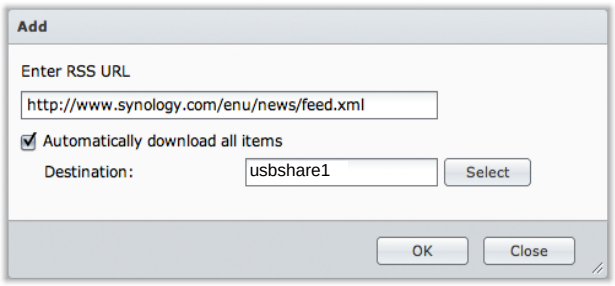
To view and update the list of RSS feeds:

1 Right-click the RSS icon on a webpage to copy the URL of the RSS file.

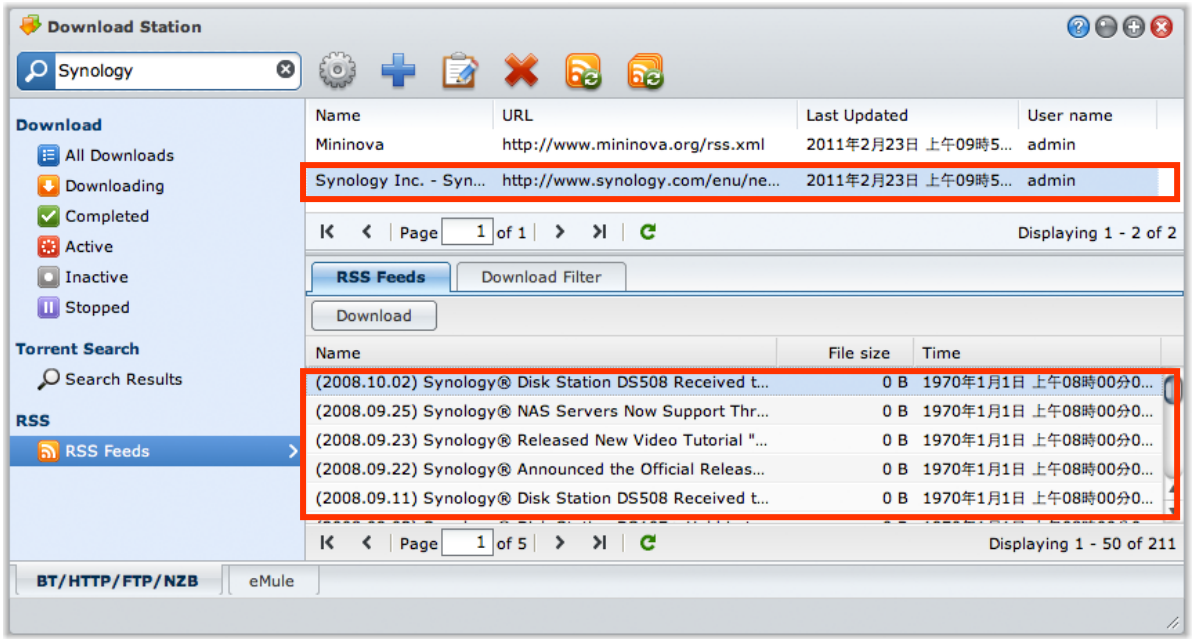
2 Launch Download Station and click **RSS Feeds** on the left panel. You can see the file list in the main area.

3 Click the **Add** button above the file list.

4 In the window that appears, paste the URL into the text field and click **OK**. (If you tick **Automatically download all items**, Download Station will automatically add all RSS feeds listed in the RSS file to download tasks.) The RSS file is now added to the file list. You can rename or remove the RSS file by clicking the **Rename** or **Remove** button above the file list.



5 Select the RSS file and view the list of its RSS feeds under the **RSS Feeds** tab.



6 Click **Update** above the file list to update the list of RSS feeds for the selected RSS file, or click **Update All** to update the lists of RSS feeds for all RSS files in the file list.

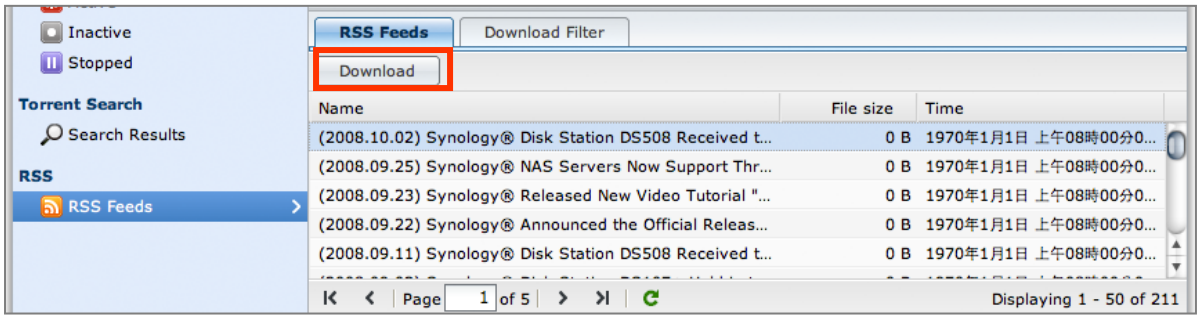
> ***Note:*** Download Station automatically updates the lists of RSS feeds on a daily basis.

To create download tasks by selecting RSS feeds:

1 Click **RSS Feeds** on the left panel, and then select the RSS file containing feeds you want to download.

2 From the list of RSS feeds under the **RSS Feeds** tab, select the feeds you want to download.

3 Click the **Download** button below the **RSS Feeds** tab to create download tasks for the selected RSS feeds.



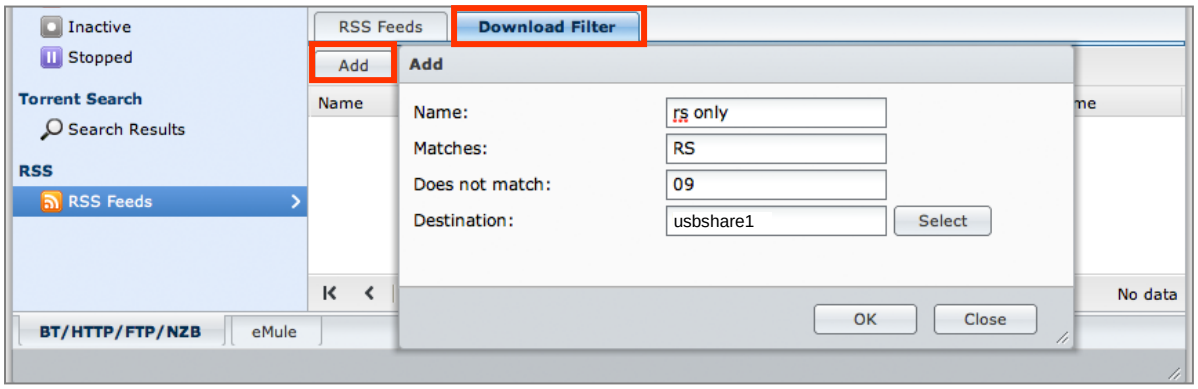
To create download tasks by setting download filter:

1 Click **RSS Feeds** on the left panel, and then select the RSS file containing feeds you want to download.

2 Under the **Download Filter** tab, click **Add**.

3 In the window that appears, enter the following information and click **OK** to create a filter:

- **Name**: The name of the filter
- **Matches**: The keyword for searching RSS feeds with matching names
- **Does not match**: The keyword for excluding RSS feeds with matching names
- **Destination**: The destination folder for the downloaded RSS feeds



4 You will see the new filter under the **Download Filter** tab. Click **Edit** or **Delete** if you want to edit or delete the filter.

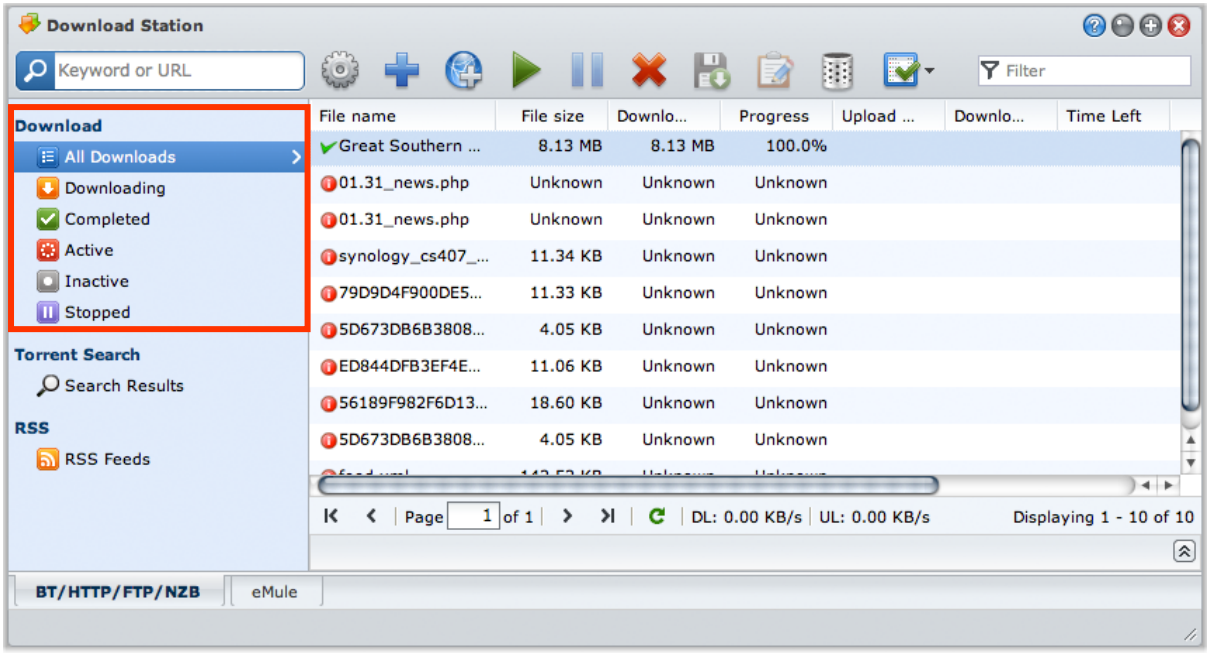
5 When the list of RSS feeds is updated, Download Station will automatically create download tasks for newly-added RSS feeds matching the criteria set in Download Filter.

Note:

- If you leave **Matches** and **Does not match** blank, Download Station will create download tasks for all newly-added RSS feeds.
- **Download Filter** only works for newly-added feeds. Original RSS feeds on the list can only be downloaded using the **Download** button below the **RSS Feeds** tab.

Manage BT/HTTP/FTP/NZB Download Tasks

You can check and manage the download tasks you just created.



View BitTorrent/HTTP/FTP/NZB Tasks

Click any of the following on the left panel to view BitTorrent/HTTP/FTP/NZB tasks:

- **All Downloads** lists all download tasks.
- **Downloading** lists download tasks that are currently downloading.
- **Completed** lists download tasks that are completely downloaded.
- **Active Downloads** lists download tasks that are currently downloading or seeding.
- **Inactive Downloads** lists download tasks that are erroneous, waiting, or paused by you.
- **Stopped** lists download tasks that are paused by you.

Manage BitTorrent/HTTP/FTP/NZB Tasks

While checking BitTorrent/HTTP/FTP/NZB tasks, you can use the buttons along the top of download queue and the tabs below the queue to manage your tasks.

To pause/resume/remove download tasks:

1 Select the download task(s) you want to pause, resume, or remove.

2 Click **Pause** or **Resume** or **Remove**.

To end an incomplete or erroneous download task:

1 Select the download task you want to end.

2 Click **End incomplete or erroneous download tasks**.

3 Click **OK** to end the task and the files will be moved to your destination shared folder.

> ***Warning:*** You cannot resume/restart the task after completing this action.

To edit download tasks:

1 Click **Edit** to customize the general settings (auto stop task, maximum upload/download rate, maximum peers allowed per torrent) and tracker lists for the current task.

2 Click **OK**.

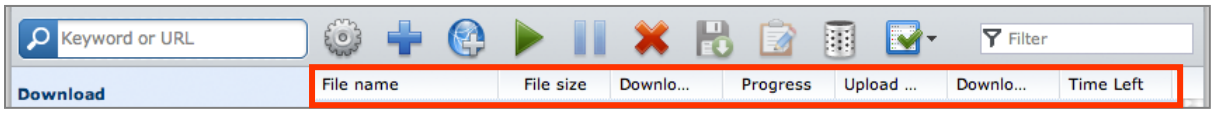
> ***Note:***
>
> - To edit the default setting for all download tasks, refer to "Set up BT/HTTP/FTP/NZB" on Page 81.
> - The maximum upload/download rates and the maximum peers allowed per torrent cannot exceed the default setting.

To clear finished download tasks:

Click **Clear completed items**. Downloaded files will remain in the destination shared folder.

To change the list order of download tasks:

Click on the column headings. Default ordering is by the creation date of the download tasks.

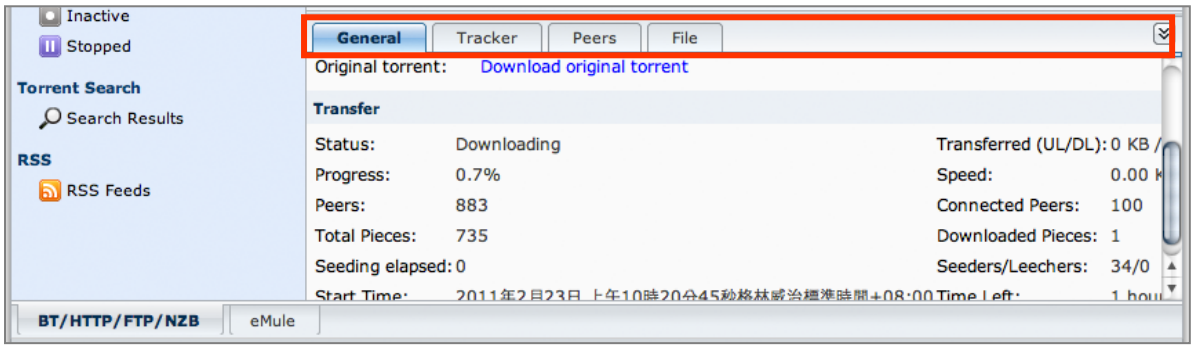


To view detailed information about a download task:

1 Select the download task you want to view.

2 Click any of the following tabs below the download queue to view detailed information of the task. (If you cannot see the tabs, click the upward triangle at the bottom right corner of Download Station.)

- **General** displays general information of the download task.
- **Tracker** (BitTorrent tasks only) lists servers that track other BitTorrent clients sharing the same files over the network. You can add or remove trackers by clicking **Add** or **Remove**.
- **Peers** (BitTorrent tasks only) lists other BitTorrent clients sharing the same files over the network.
- **File** (BitTorrent/NZB tasks only) lists files to download for the current task. For BitTorrent tasks, you can set download priority for each file or skip downloading certain files.
- **Log** (NZB tasks only) records the download progress of files.



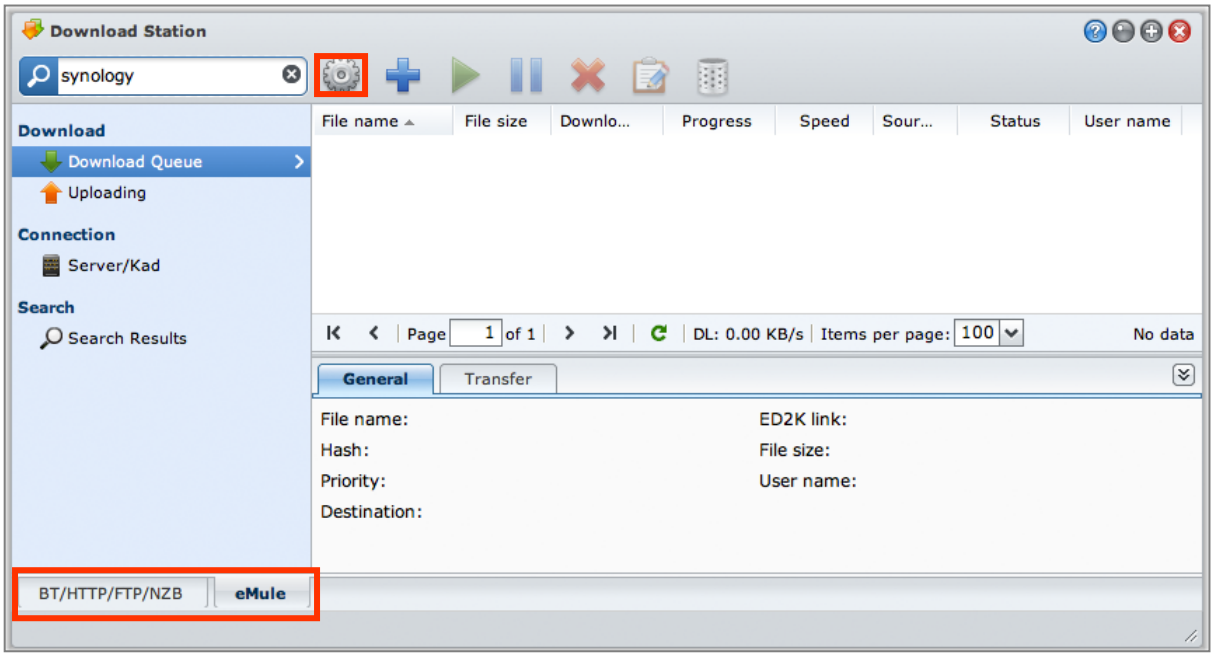
Troubleshooting

When error(s) occur, all action buttons will be disabled. You can enable the action buttons by checking for the possible errors:

- Download Station is disabled.
- The network is down.
- Download destination not set.
- Your account is disabled or removed.
- Unknown Error.
- If the problem still exists after checking the above list of possible errors, consult the Administrator.

Set up eMule

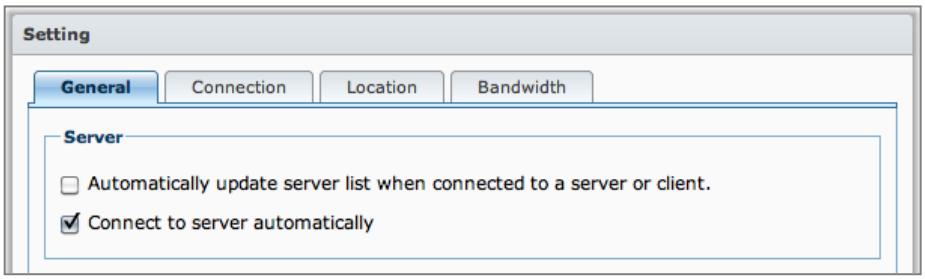
Click the **eMule** tab at the bottom of Download Station, and click the gear icon next to the search field at the top of Download Station to manage the following settings of eMule.



Note: For detailed information about eMule settings, open DSM Help and then go to **Download Station** > **eMule** > **Set up eMule**.

General

In this section, you can manage the settings of ED2K server, notification, and protocol obfuscation.



To manage server settings:

1 Tick any of the following:

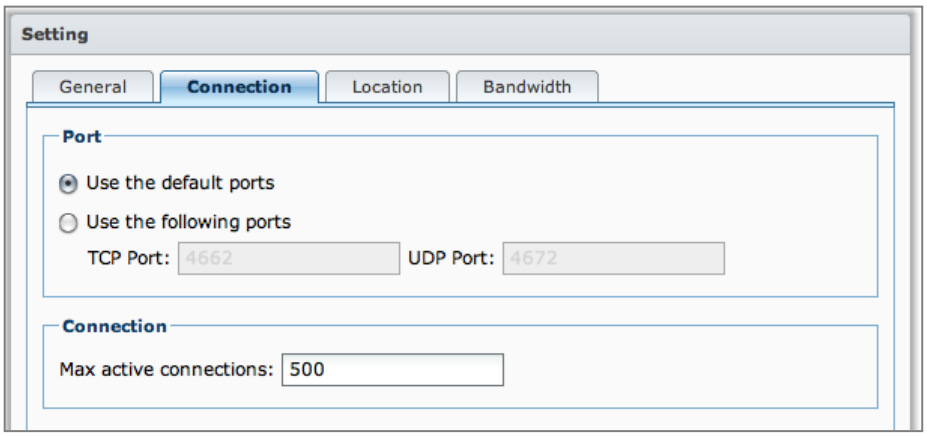
- **Automatically update server list when connected to a server or client** allows you to retrieve server lists from other servers or eMule clients.
- **Connect to server automatically** allows Download Station to connect to ED2K server automatically.

2 Click **OK**.

Note: See "Connect to ED2K Server/Kad" on Page 95 for more information about ED2K servers.

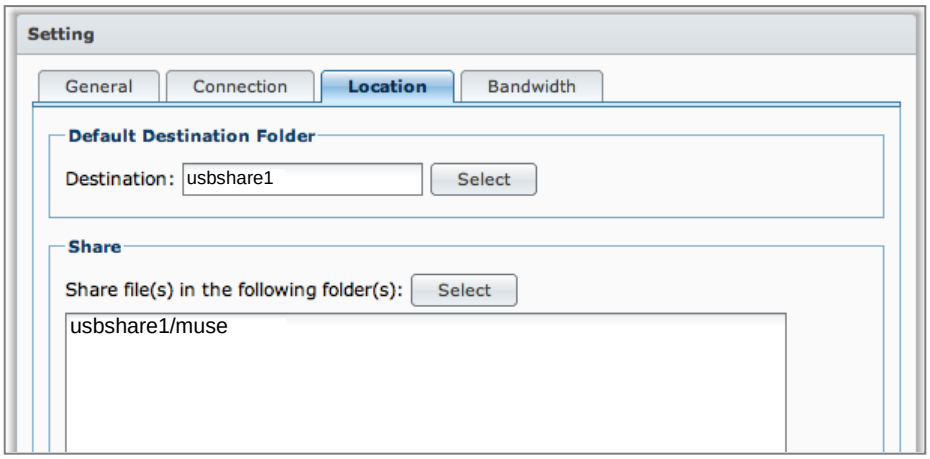
Connection

In this section, you can set up connection for eMule downloads.



Location

In this section, you can set the default destination folder for eMule, and share your files on the ED2K network.



To set the download destination folder for eMule:

1 Click **Select** and choose a folder.

2 Click **Select**.

3 Click **OK**.

To specify folders you want to share with other eMule clients:

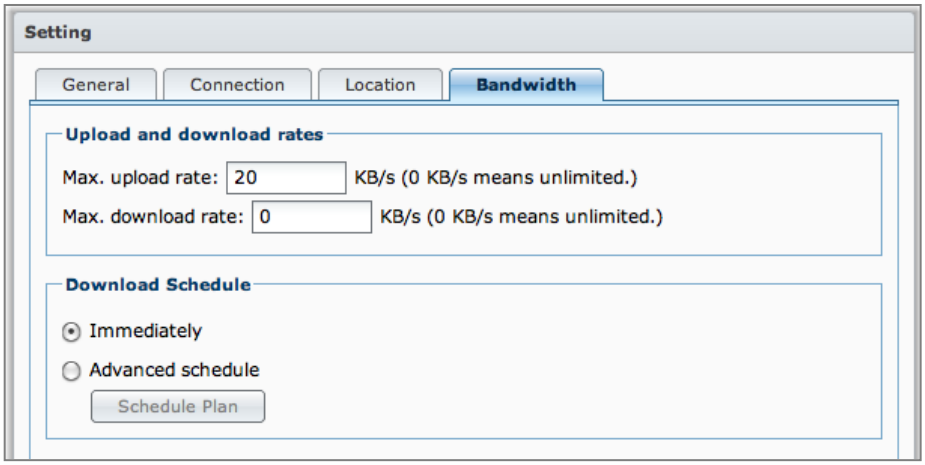
1 Click **Select** and choose a folder.

2 Click **Select**.

3 Click **OK**.

Bandwidth

In this section, you can set upload and download rates and download schedule to limit download and upload bandwidths.



To set upload and download rates:

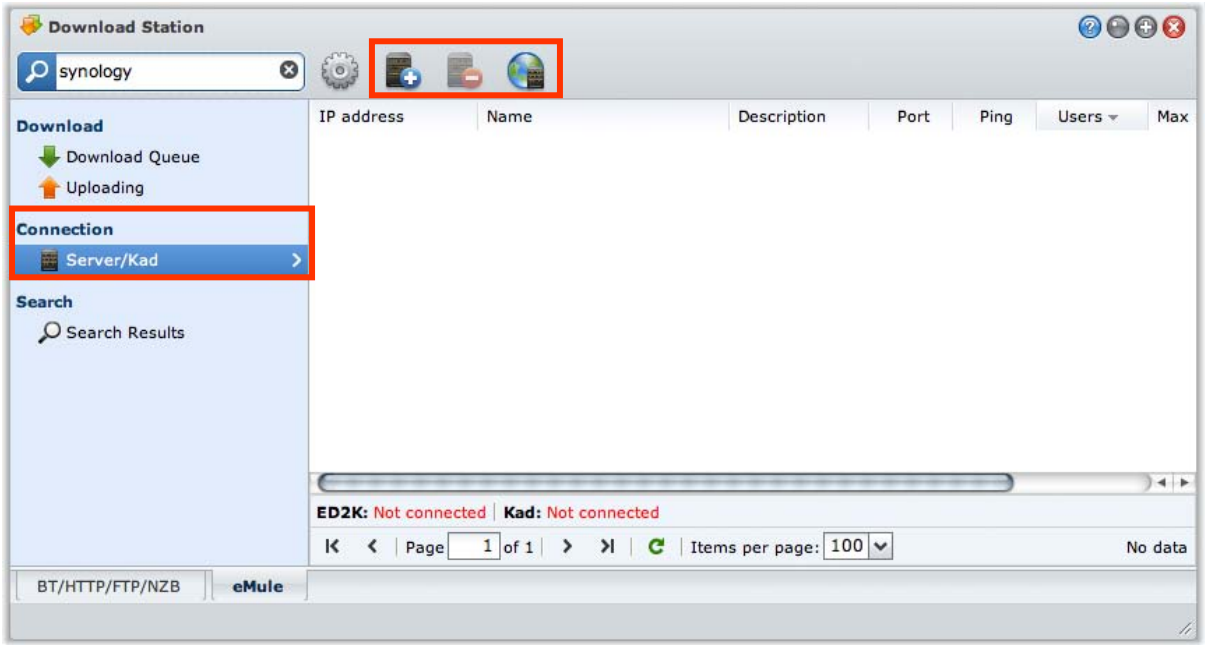
Enter the maximum upload and download rate for eMule downloads and uploads. ("0" means unlimited.)

To set the download schedule:

Like BT/HTTP/FTP/NZB's download schedule, eMule's download schedule is set up in the same manner. See "Download Schedule" on Page 82 for more information.

Connect to ED2K Server/Kad

Click **Server/Kad** on the left panel to set up Server/Kad. An ED2K server contains information about resources on the ED2K network. To search and download ED2K resources, it is necessary to connect to a server.



To add an ED2K server:

1 Click the **Add** button.

2 Choose any of the following:

- **Server IP**: Enter the IP address and port of the server.
- **ED2K Link**: Enter the ED2K link. (e.g. ed2k://|server|IP|port|/)

- **Update server.met from URL**: Enter the URL of the server.met file (e.g. http://www.synology.com/server.met).

3 Click **Add**.

To delete ED2K servers:

Select the servers from the list and click the **Delete** button.

To connect to a random ED2K server:

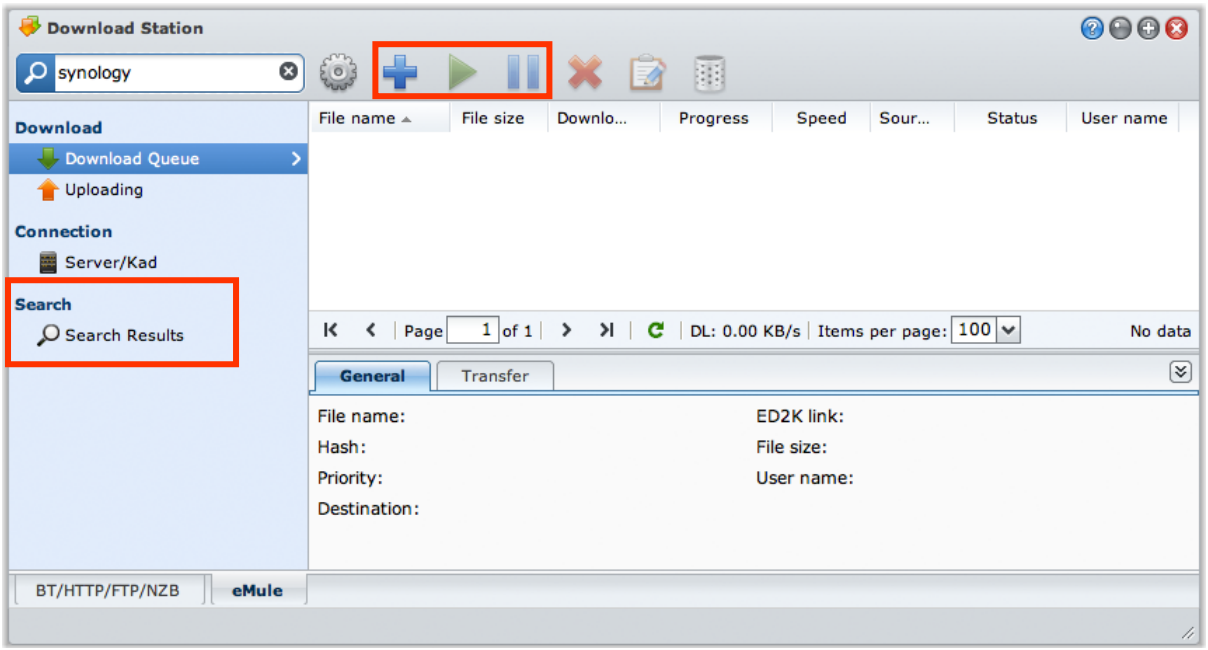
1 Double-click a server from the server list.

2 Wait for the server to be connected.

When the selected server is full or has an invalid IP address, the system will randomly connect to an available server.

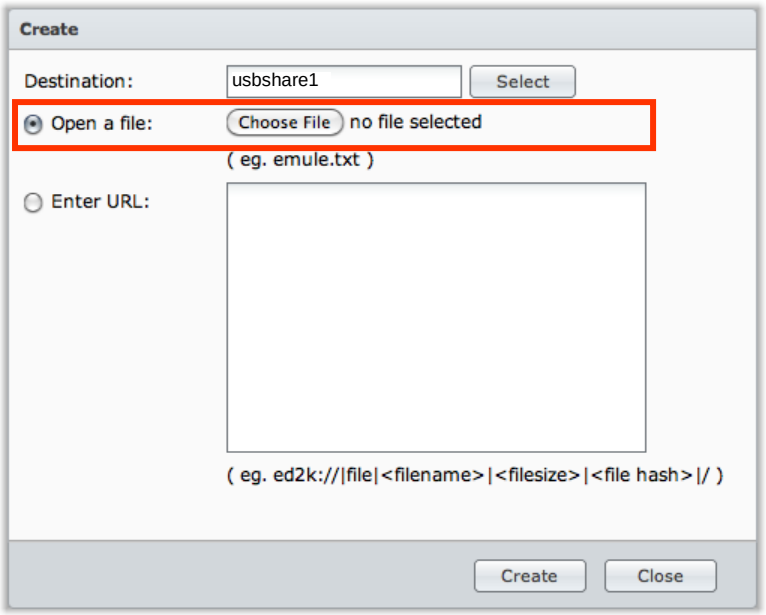
Create eMule Download Tasks

This section explains how to create eMule download tasks.



Create by Uploading Files

You can create download tasks by uploading a text file (.txt) containing ED2K links from your local computer to Download Station:



To create download tasks by uploading a file:

1 Click **Download Queue** on the left panel, and then click the **Create** button.

2 Choose **Open a file** and click the button to browse to the text file for upload.

3 Click **Create**.

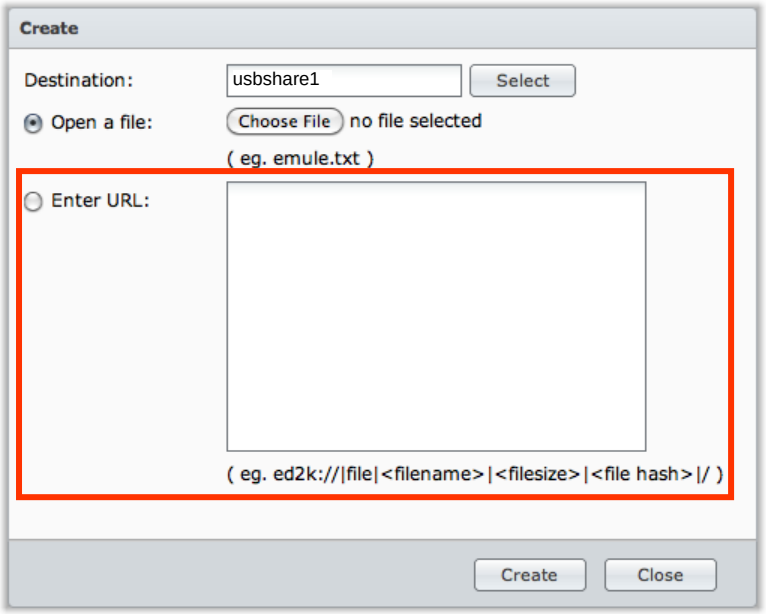
To resume an eMule download task:

1 Select one or more tasks in the list.

2 Click the **Resume** button. Only tasks which are not completed or paused will be resume downloading.

Create by Entering URLs

You can create download tasks by entering URLs.



To create download tasks by entering URLs:

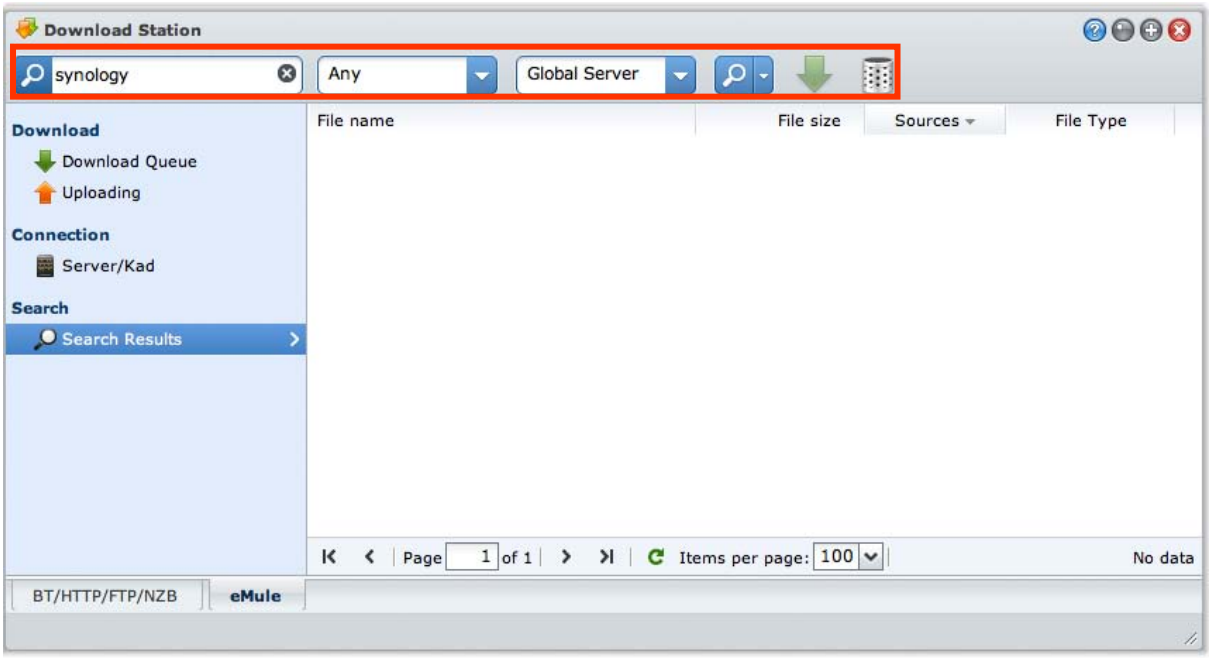
1 Click **Create**.

2 In the window that appears, choose **Enter URL**, and enter the URLs of the file you want to download. You can enter up to 20 URLs in the box.

3 Click **Create**.

Create via eMule Search

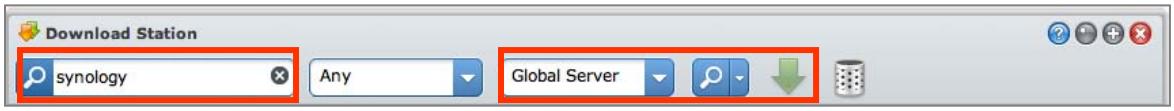
Click **Search** on the left panel to search and download the files your are looking for.



Note: If you want to perform eMule search, make sure you are connected to an ED2K server at **Server/Kad**. See "Connect to ED2K Server/Kad" on Page 95.

To create download tasks via general search:

1 Enter a keyword in the search field at the top-left corner of eMule, select a file type and search method. Press "Enter" on your keyboard to start searching. Click **Start/Stop search** to stop searching.



2 The search result of available files will be listed in the main area, and might be shown in the following colors:

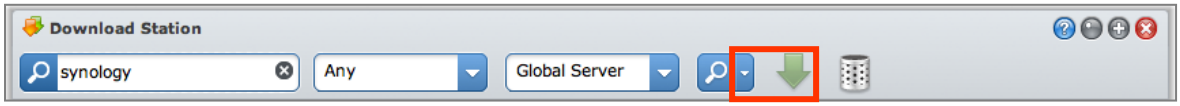
- **Blue:** There are sufficient sources available on the network for those files.
- **Red:** The file is already in the download queue or in the download destination.

> ***Note:*** Files already exist in the download queue will not be added to the queue again.

3 Make your selections, and click **Download selected file(s)** to create download tasks.

To create download tasks via advanced search:

1 Click on the down arrow to the right of the **Start/Stop search** button.



2 In the window that appears, do the following:

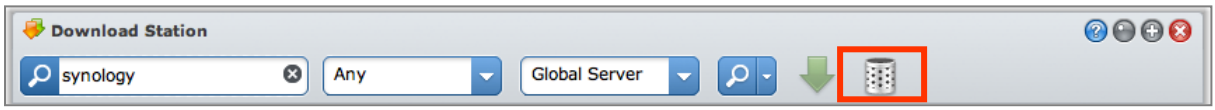
- Enter a keyword.
- Select the file type.
- Select the search method.
- Enter the minimum and maximum file size for the desired files. (optional)
- Enter the number of minimum sources. (optional)
- Enter the file extension. (optional)

3 Click **Start/Stop search** to start searching. Click the button again to stop searching.

4 Make your selections, and click **Download selected file(s)** to create download tasks.

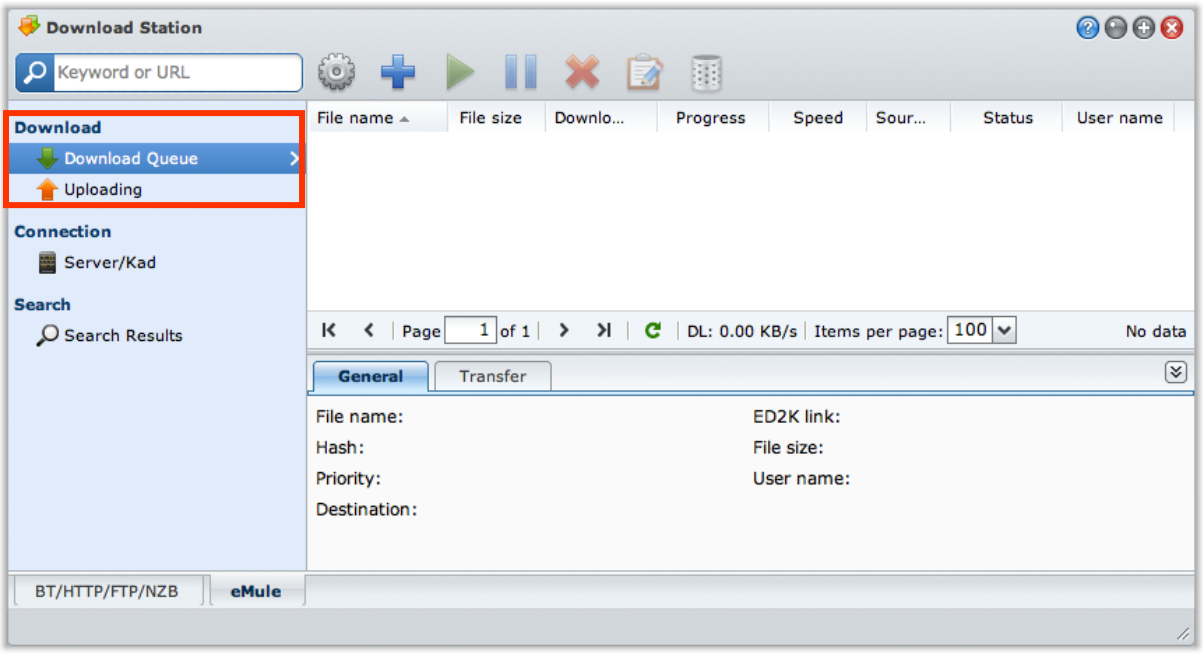
To clear search results:

Click **Clear search results** to clear the search result.



Manage eMule Download Tasks

You can check the download tasks you just created, and manage the tasks with eMule.



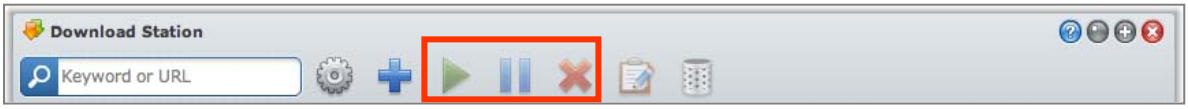
Manage Download Queue

Click **Download Queue** on the left panel to manage the download tasks.

To pause/resume/remove download tasks:

1 Select the download task(s) you want to pause, resume, or remove.

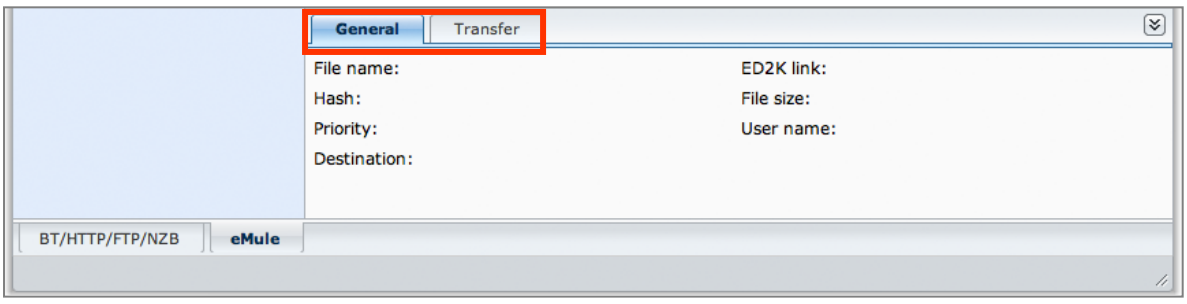
2 Click **Pause** or **Resume** or **Remove**.



To view detailed information about a download task:

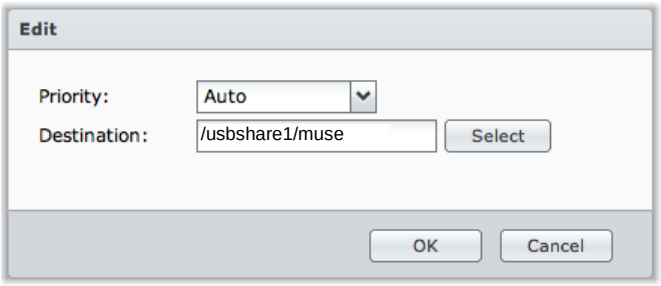
1 Select the download task you want to view.

2 Click the tabs below the download queue to view detailed information of the task.



To edit download tasks:

1 Click **Edit** to edit the priority and change destination folder for the task.



> ***Note:*** To change the default destination folders for all download tasks, see "Location" on Page 94.

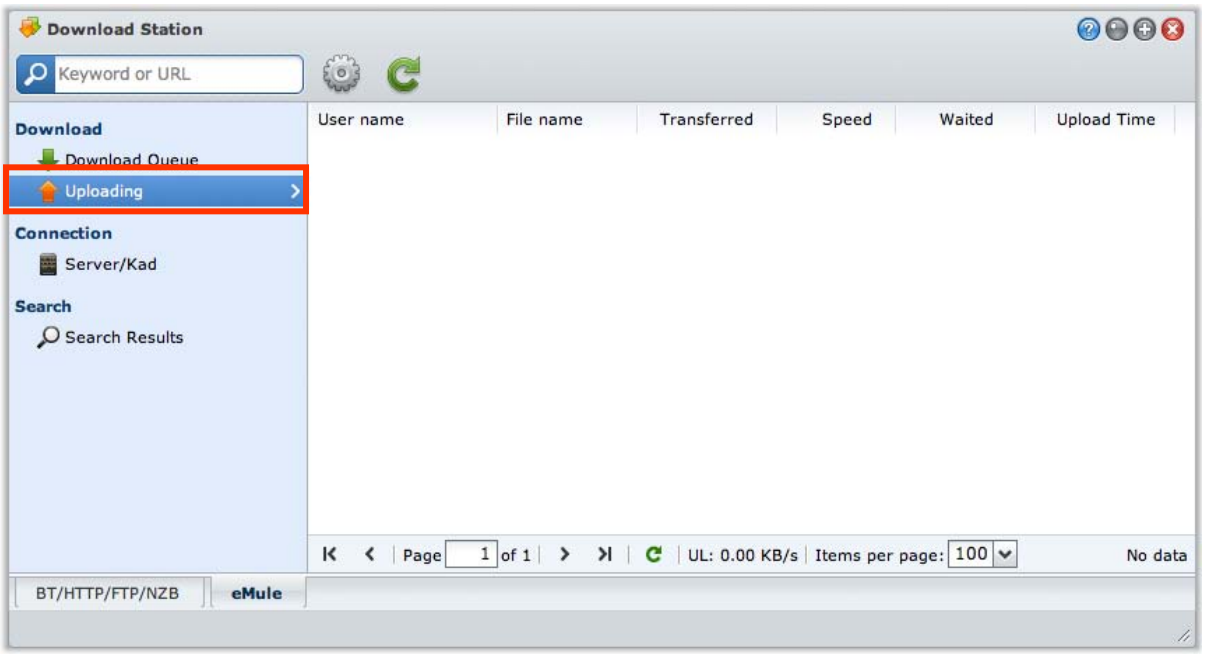
2 Click **OK**.

To clear finished download tasks:

Click **Clear**. Downloaded files will remain in the destination shared folder.

Check Upload Queue

Click **Uploading** on the left panel to check your shared files currently uploaded to other eMule clients.



> ***Note:*** To specify folders you want to share with other eMule clients, see "Location" on Page 94.

Chapter 12

Manage Media Server and iTunes Service

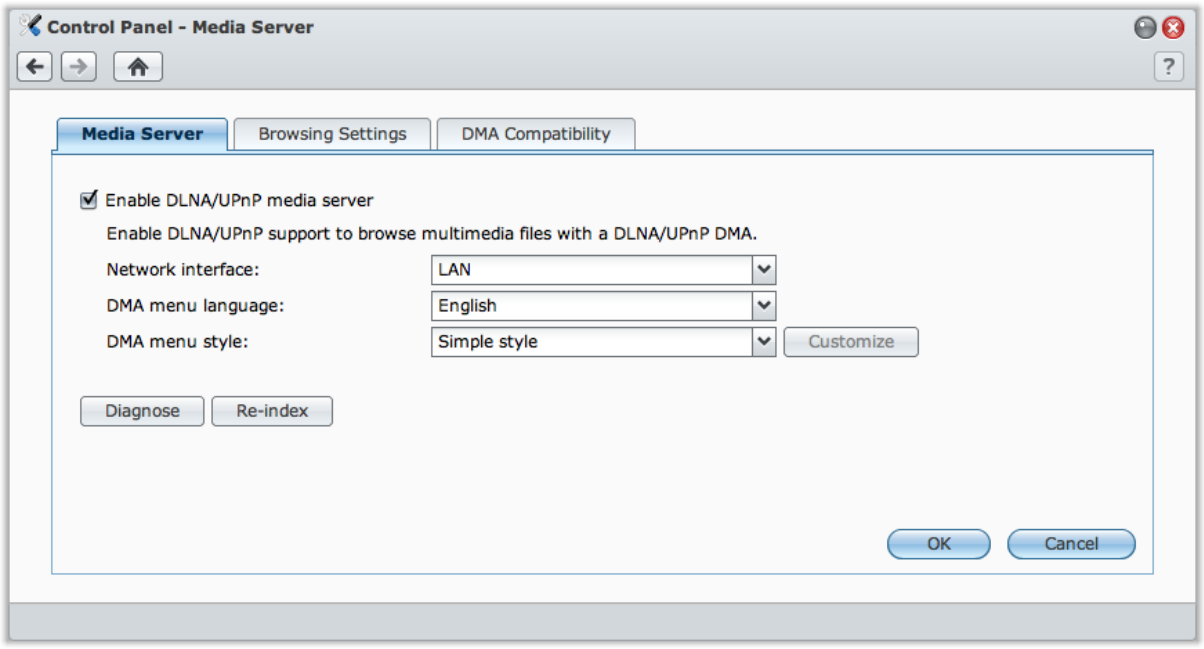
USB Station 2 can become a multimedia server on the local area network, allowing computers (using Windows Media Player or iTunes) and DLNA/UPnP home devices (such as stereo system or TV set) to play its multimedia contents.

This chapter explains how to stream multimedia contents from USB Station 2 to your computer or other DLNA/UPnP home devices.

Important: Before enabling Media Server or iTunes, make sure you have chosen your multimedia source and refreshed the multimedia database at **Main Menu** > **Control Panel** > **Multimedia Database**. See "Manage Multimedia Database" on Page 108 for more information.

Manage DLNA Media Server

Go to **Main Menu** > **Control Panel** > **Media Server** to enable DLNA/UPnP media server. After it is enabled, users can browse the multimedia contents on USB Station 2 with a DLNA/UPnP home device, also known as **Digital Media Adapter (DMA)**.



Note: You can play the following multimedia file formats on USB Station 2 with DLNA/UPnP enabled DMA:

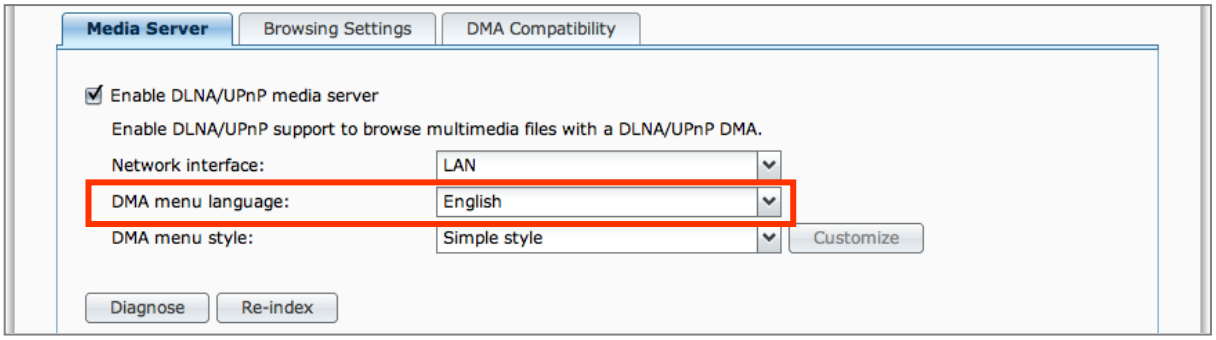
- **Audio:** AAC, FLAC, M4A, MP3, Ogg Vorbis, PCM, WAV, WMA, WMA VBR, WMA PRO, WMA Lossless
- **Image:** BMP, JPG (jpe, jpeg), GIF, ICO, PNG, PSD, TIF (tiff), UFO, RAW (arw, srf, sr2, dcr, k25, kdc, cr2, crw, nef, mrw, ptx, pef, raf, 3fr, erf, mef, mos, orf, rw2, dng, x3f)
- **Video:** 3GP, 3G2, ASF, AVI, DAT, DivX, DVR-MS, ISO, M2T, M2TS, M4V, MKV, MP4, MPEG1, MPEG2, MPEG4, MTS, MOV, QT, SWF, TP, TRP, TS, VOB, WMV, XviD, RV30, RV40, AC3, AMR, WMA3
- **Playlist:** M3U, WPL
- **Subtitles:** srt, psb, smi, ass, ssa, sub, idx, ifo

To enable DLNA/UPnP media server:

Tick **Enable DLNA/UPnP media server** and click **OK**.

Determine the DMA Menu Language and Style

You can decide how to organize your multimedia files on the DMA menu by selecting a predefined menu style or customizing your own. The system can save up to three different sets of customized menu styles.



To determine the DMA menu language:

Choose a language from the **DMA menu language** drop-down menu.

To customize the DMA menu style:

1 Choose one of the three customized styles, and then click **Customize**.

2 Click one of the following tabs: **Music**, **Photo**, or **Video**.

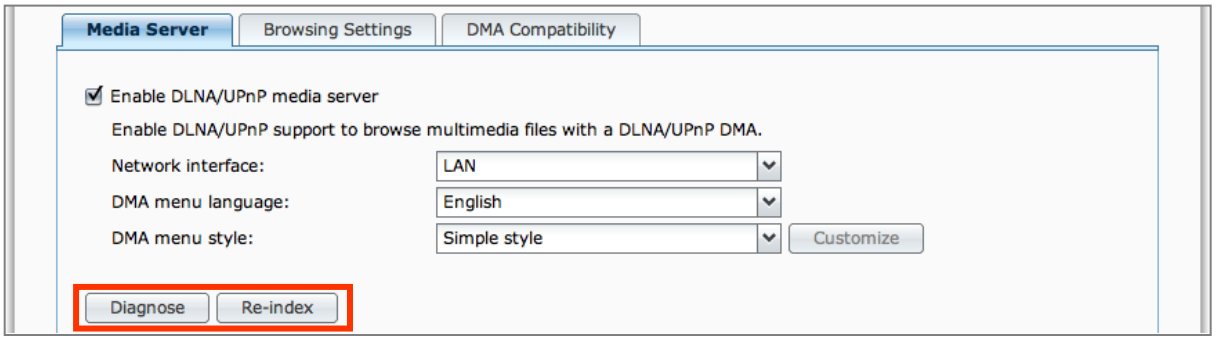
3 Do any of the following:

- **If you want to create a new menu style,** click **Create**. If you have selected **Music**, there will be a list of templates.
- **If you want to edit an existing style,** click **Edit**.

Note: For users to correctly browse the multimedia files on the server, the codepage and menu language you set should be identical with those of the DMA. For more information about setting the codepage, see "Language" on Page 25.

Re-index Media Files

Click **Re-index** to reconstruct the index structure of the multimedia files if you find missing multimedia files while browsing through USB Station 2 with your DMA device. The process will be executed in the background.



Record Diagnostic Log

The log can help determine the cause of the problem when you contact Synology Support for assistance.

To manage DMA communication log:

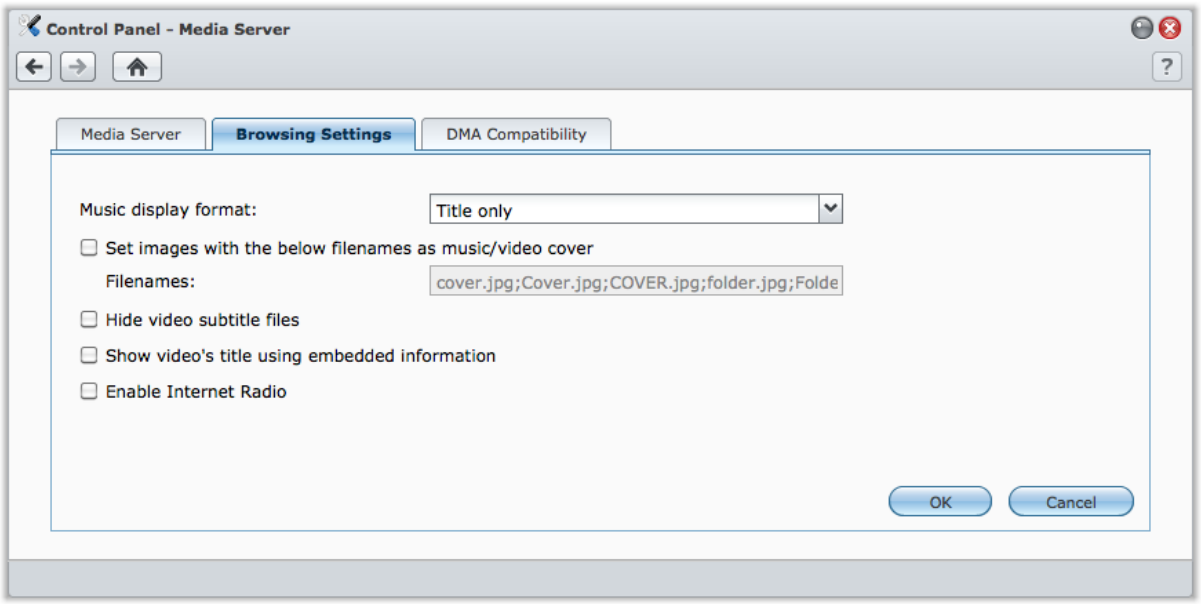
1 Click **Diagnose** and tick **Enable DMA communication log for diagnostic purpose** to start recording the log.

2 You can download or clear the recorded log by clicking **Download** or **Clear**.

3 Click **OK**.

Manage Browsing Settings

In the **Browsing Settings** section, you can manage the browsing settings for DMA.



To change how your music files will be displayed:

Select a **Music display format** from the drop-down menu.

To set album cover (for music files without an embedded image) or video thumbnails:

1 Tick **Set images with the below filenames as music/video cover**.

2 Enter **Filenames** such as **Cover.jpg**, and the image with the same filename under the same folder as the music files will be displayed as album covers or video thumbnails. The filenames are case sensitive, and the filename listed closest to the front will be used when multiple images are available.

To hide video subtitle files:

Tick **Hide video subtitle files**.

> ***Note:*** Under most circumstances, you can hide video subtitle files while browsing USB Station 2 media with a DMA device, because only a few DMAs need to browse the subtitle files to have the subtitle function to work correctly.

To show video's title using embedded information instead of file name:

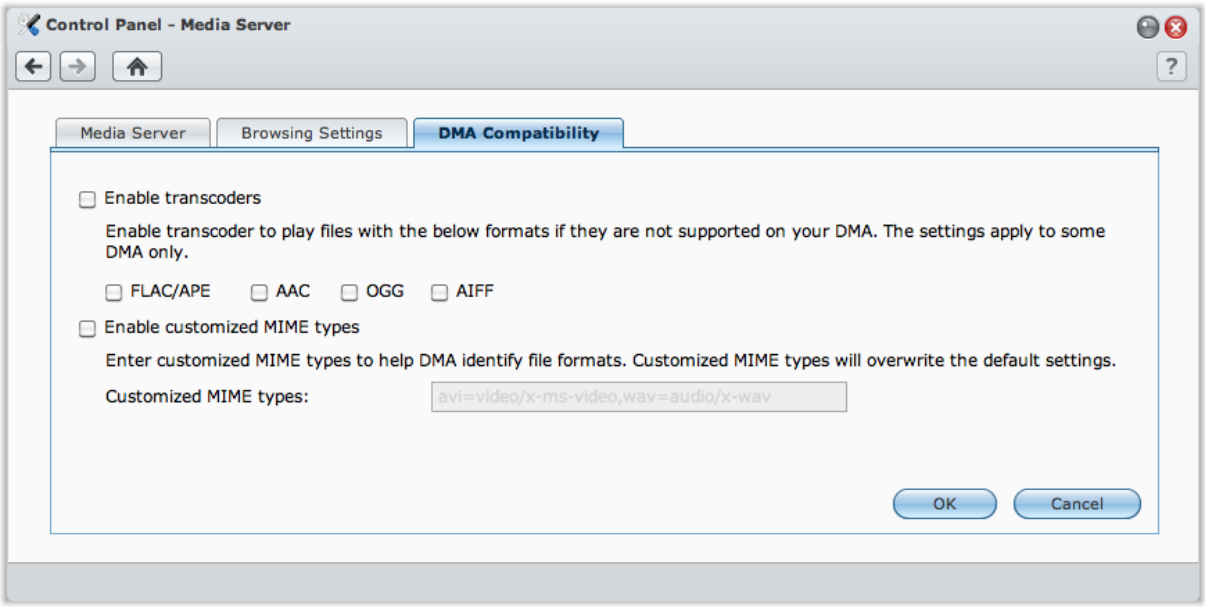
Tick **Show video's title using embedded information**.

To browse and play the radio stations listed on Audio Station:

Tick **Enable Internet Radio**.

Enhance DMA Compatibility

In the **DMA Compatibility** section, you can enhance DMA compatibility to make sure the multimedia contents on your USB Station 2 are played smoothly on your DMA devices.


Control Panel - Media Server
Media Server
Browsing Settings
DMA Compatibility
Enable transcoders
Enable transcoder to play files with the below formats if they are not supported on your DMA. The settings apply to some DMA only.
FLAC/APE
AAC
OGG
AIFF
Enable customized MIME types
Enter customized MIME types to help DMA identify file formats. Customized MIME types will overwrite the default settings.
Customized MIME types:
avi=video/x-ms-video,wav=audio/x-wav
OK
Cancel

To enable transcoder settings:

Tick the following checkboxes to enable transcoders if your DMA does not support the following audio formats: **FLAC**, **APE**, **AAC**, **OGG**, and **AIFF**.

To help DMA identify multimedia file formats:

Tick **Enable customized MIME types** and enter the **Customized MIME types**.

More Information

MIME types, also known as **Internet media types**, can improve the compatibility of multimedia files with DMA by specifying the type and sub-type of media files. You can customize the MIME types to help your DMA device identify the correct file formats.

Play Multimedia Contents with DMA Devices

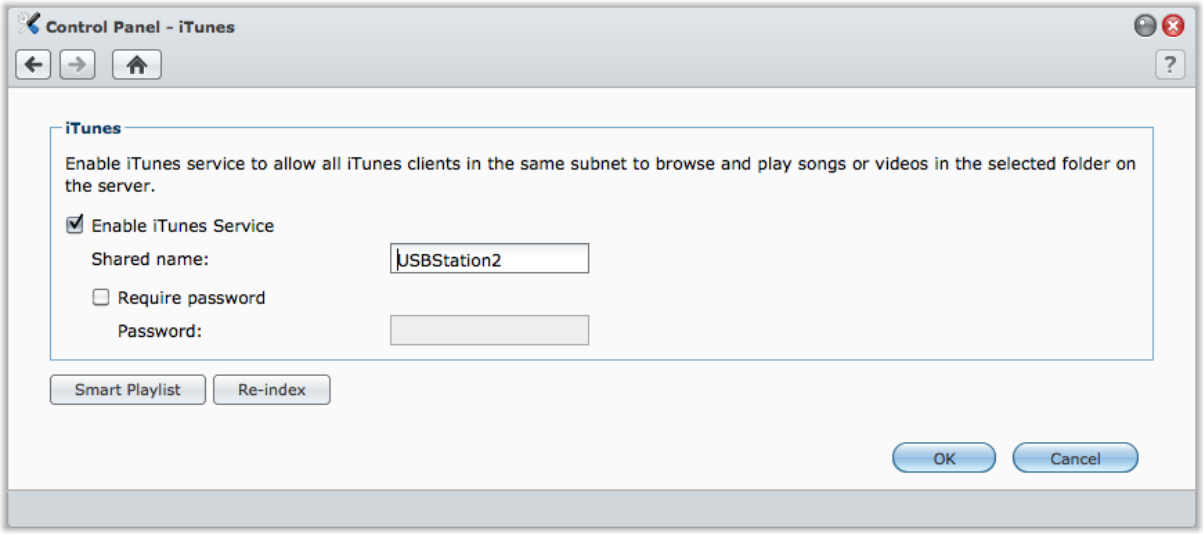
USB Station 2 can pair up perfectly with Sony PS3, Xbox 360, and many other DMA devices. You can use those devices to browse and stream multimedia contents from your USB Station 2 to your stereo system and TV set.[1]

Note: For information about browsing media server's contents with DMA devices, see the documentation that came with your device.

[1] For recommended peripheral models, including hard drive, USB printer, DMA, and UPS, please visit **www.synology.com**.

Manage iTunes Service

Go to **Main Menu** > **Control Panel** > **iTunes** to use iTunes service. After it is enabled, all iTunes clients on the same local area network can browse and play songs or videos on your USB Station 2.



The following formats will be supported by iTunes service:

- **Audio:** MP3, M4A, M4P
- **Video:** MOV, MP4, M4V
- **Playlist:** WPL, M3U

Enable iTunes Service

1 Tick **Enable iTunes service** and enter your **Shared name**.

2 Tick **Require password** and enter a password if you want iTunes users to enter a password before accessing your shared folders.

3 Click **OK**.

Use Smart Playlist

Click **Smart Playlist** to open the **Smart Playlist** window, where you can create and edit smart playlists on your USB Station 2.

A smart playlist can automatically include certain types of songs that match specific rules. iTunes clients will be able to play the smart playlist you created.

To create a smart playlist:

1 Click **Create**, name the playlist, and click **OK**.

2 Click **Add Rule** to set the rules.

3 Click **OK**.

To edit a Smart playlist:

1 Do one of the following to start editing:

- Double-click the item you want to edit.

- Select the item and click **Edit**.

2 Do any of the following to modify the rules:

- Modify the rules by choosing items from the drop-down menus.
- Click **Add Rule** if you want to add a rule.
- Select a rule and click **Delete Rule** if you want to delete the rule.

3 Click **OK**.

To delete a smart playlist:

1 Select the smart playlist you want to delete.

2 Click **Delete** and then click **Yes**.

> ***Note:*** You can also create and edit smart playlists with Audio Station. See "Work with Playlist" on Page 74 for more information.

Re-index Audio Files

Click **Re-index** to reconstruct the index structure of the audio files if you find missing files while browsing through USB Station 2 with iTunes. The process will be executed in the background.

Chapter 13

Perform Advanced Management Tasks

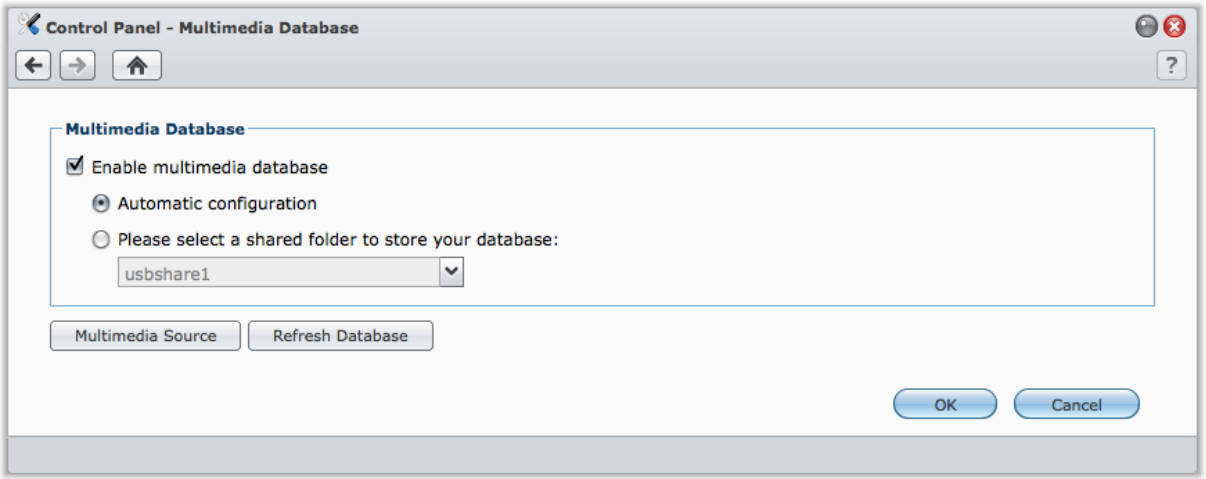
Synology DiskStation Manager comes with a variety of management functions, allowing you to check system information, monitor system resources, receive notification, restore or upgrade DSM, and more.

This chapter explains how to comprehend those management functions to make sure your USB Station 2 is providing the best performance.

Manage Multimedia Database

USB Station 2 uses a multimedia database to keep track of multimedia files and log entries stored on the media source (shared folders created on your external storage devices, such as usbshare1).

If you want DSM's multimedia services (such as Media Server, iTunes, Audio Station, and Download Station) to access multimedia files stored on the external storage devices connected to the USB port of your USB Station 2, or if you want to enable DSM's log services and see the log records listed at **Main Menu** > **System Information** > **Log**, the multimedia database has to be enabled first. Otherwise, all related services will be deactivated.



> ***Note:*** For more information about DSM's log services, see "Log" on Page 111.

To enable the multimedia database:

1. Tick **Enable multimedia database**.
2. Do any of the following:
   - Choose **Automatic configuration** if you want to have DSM automatically select a shared folder for storing the multimedia database. If the external storage device which contains the share folder is removed, DSM will automatically select any other shared folder for storing the database.
   - Choose **Please select a shared folder to store your database**, and then choose from the drop-down menu to manually select a shared folder for storing the database.
3. Click **OK**.

> ***Warning:*** To prevent the database from being corrupted, make sure you have ejected its storage device at **Main Menu** > **Control Panel** > **External Devices** before removing it from USB Station 2.

To include or exclude shared folders from the multimedia source:

1. Click **Multimedia Source**.
2. Tick or uncheck the checkboxes next to the shared folder(s) to make your selection.

3 Click **OK**.

Multimedia files and log records in the selected shared folders will be indexed, and the indexed information will be added to the multimedia database.

To refresh the multimedia database:

1 Click **Refresh Database**. All data in the multimedia database will be replaced by re-indexed information about the current multimedia source. The process will be executed in the background.

2 Click **OK**.

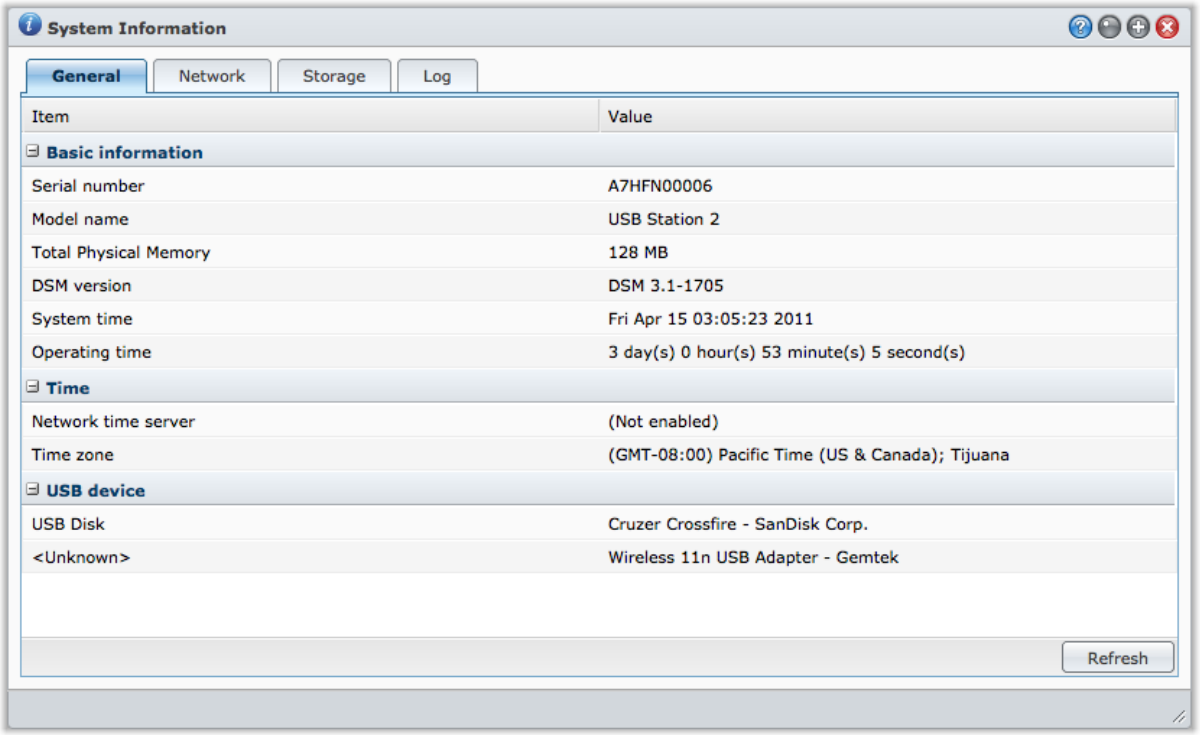
> ***Note:*** If a large portion of data in the multimedia database is no longer used (for example, you disconnect a USB disk which will never be used with USB Station 2 again, resulting in redundant indexed information in the database), refreshing the multimedia database can help you clear all unused data or downsize the database. However, doing so requires repetitive disk reading and writing, which might consume system resources and result in shortened disk lifespan. Please use this function with discretion.

Check System Information

Go to **Main Menu** > **System Information** to check the following system information.

General

Click **General** to obtain a status overview of your USB Station 2 (including **Basic Information**, **Time**, and **External devices**).

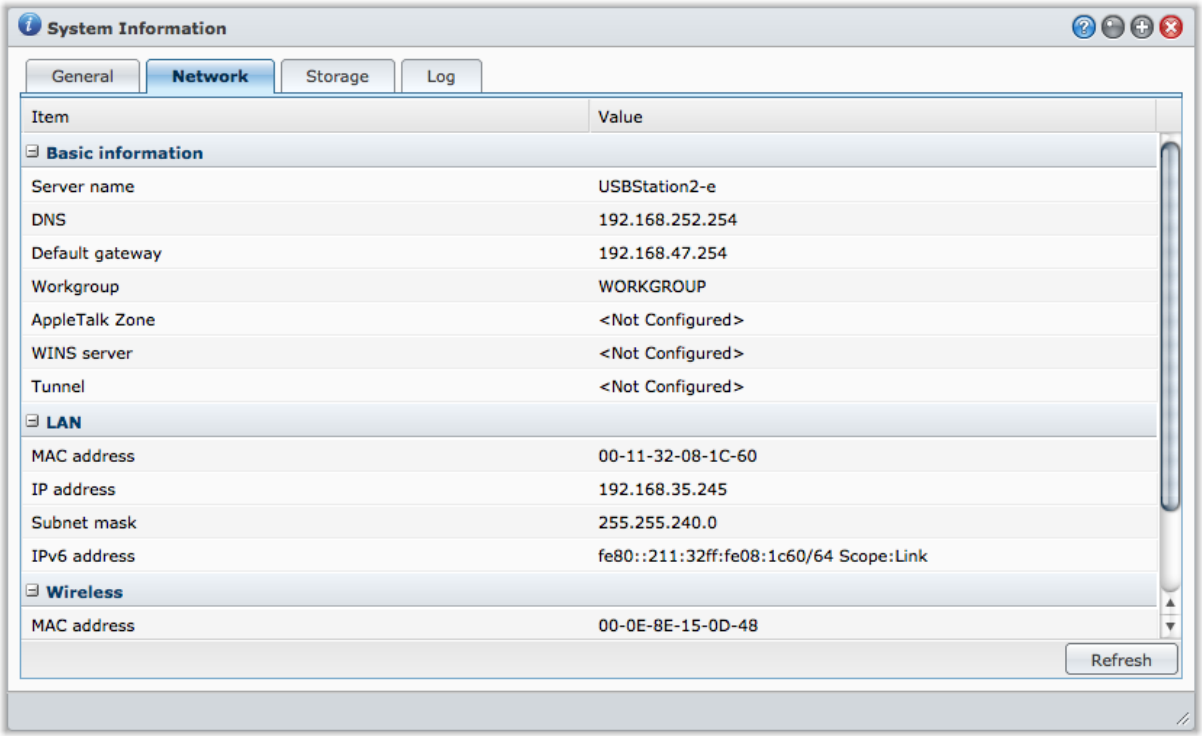


The system's general information includes the following:

- **Basic Information**: You can see the detailed information about your USB Station 2 here, including server name, serial number, model name, memory size, DSM version, system time, and operating time.
- **Time**: You can see the time setting of your USB Station 2 here, including time server and time zone. To set up your time server, see "Set Up Time" on Page 26.
- **External Devices**: You can see the model name of your external USB devices here.

Network

You can view the status of network configuration and network interfaces.

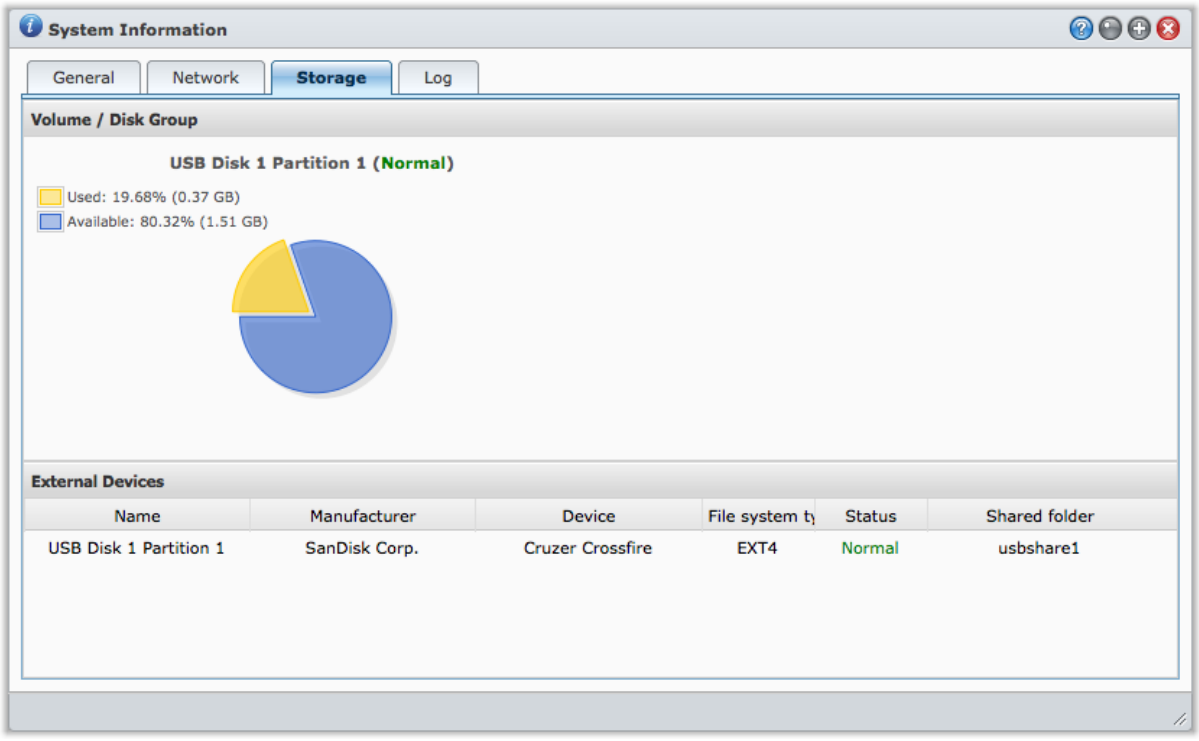


The network status includes the following:

- **Basic information**: See the basic information of your USB Station 2's network configuration.
- **[Interface Name]**: See the detailed information of the network interface(s) currently configured on your USB Station 2.

Storage

You can check the free or used space and the status of your USB storage devices.



To check volume usage:

From the pie charts, you can see the free or used space of your USB storage devices.

The hard drive status might be any of the following:

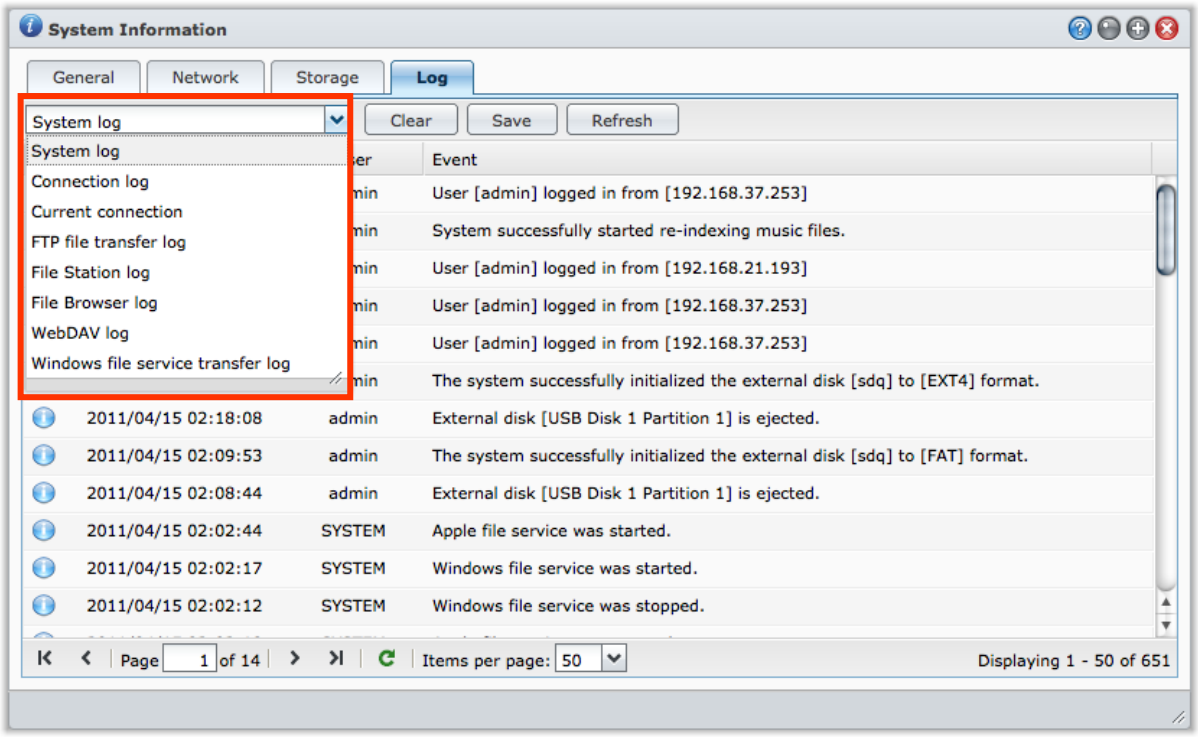
- **Normal**: USB storage devices are available for use.
- **Not Initialized**: USB storage devices cannot be recognized by USB Station 2.
- **Crashed**: Failed to access data on USB storage devices. We recommend that you replace this device.

> ***Note:*** For the system to function normally, there should be at least one disk in **Normal** or **Initialized** status.

Log

Click **Log** to check the system log, which records every move of USB Station 2 users.

> ***Important:*** Before enabling log services or accessing multimedia files, make sure you have chosen your multimedia source and refreshed the multimedia database at **Main Menu** > **Control Panel** > **Multimedia Database**. See "Manage Multimedia Database" on Page 108 for more information.


System Information
General
Network
Storage
Log
System log
Clear
Save
Refresh
System log
Connection log
Current connection
FTP file transfer log
File Station log
File Browser log
WebDAV log
Windows file service transfer log
Event
User [admin] logged in from [192.168.37.253]
System successfully started re-indexing music files.
User [admin] logged in from [192.168.21.193]
User [admin] logged in from [192.168.37.253]
User [admin] logged in from [192.168.37.253]
The system successfully initialized the external disk [sdq] to [EXT4] format.
2011/04/15 02:18:08 admin External disk [USB Disk 1 Partition 1] is ejected.
2011/04/15 02:09:53 admin The system successfully initialized the external disk [sdq] to [FAT] format.
2011/04/15 02:08:44 admin External disk [USB Disk 1 Partition 1] is ejected.
2011/04/15 02:02:44 SYSTEM Apple file service was started.
2011/04/15 02:02:17 SYSTEM Windows file service was started.
2011/04/15 02:02:12 SYSTEM Windows file service was stopped.
Page 1 of 14
Items per page: 50
Displaying 1 - 50 of 651

To see the log records of specific service:

1 Use the drop-down menu to filter through the kinds of log records you want to see.

2 View the filtered log records in the main area.

To delete log records:

1 Select the log item you want to delete from the drop-down menu.

2 Click **Clear** to delete the log records.

To save log records:

1 Select the log item you want to save from the drop-down menu.

2 Click **Save**.

3 The log records will be extracted to an **.html** file. You can choose to open it or save it to a disk.

To refresh the log:

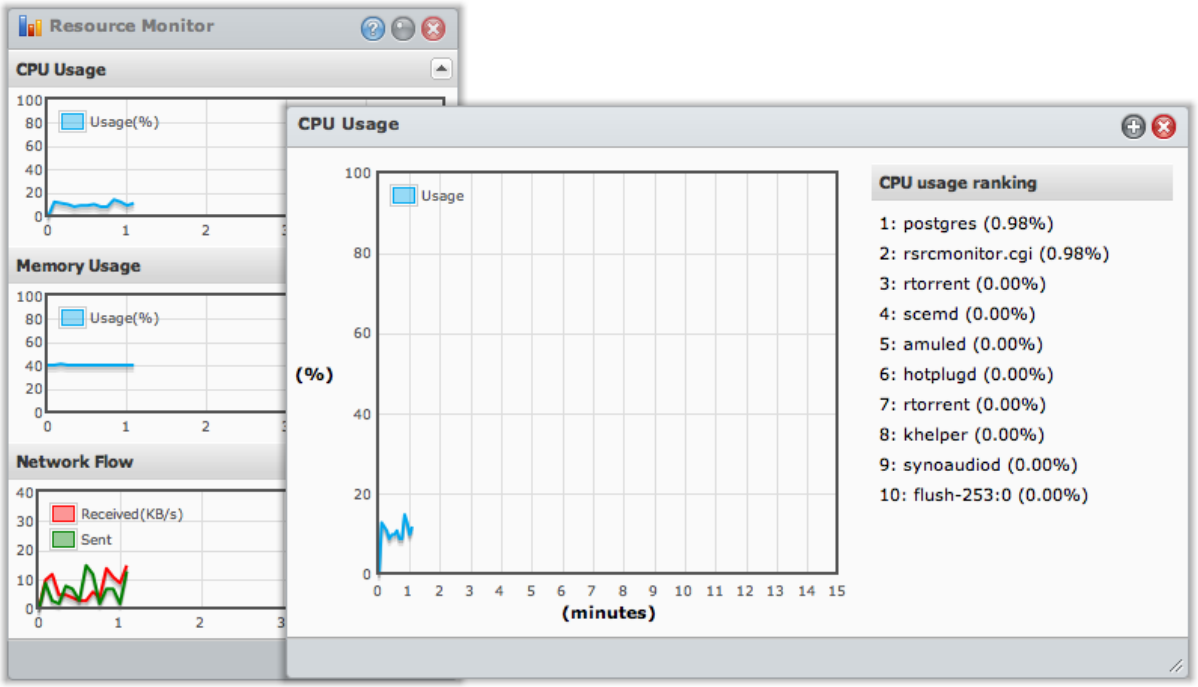
Click **Refresh** to reload the page and get the most updated log records.

> ***Note:*** When the log size reaches its limit, the oldest record will be removed for space-saving consideration.

Monitor System Resources

Go to **Main Menu** > **Resource Monitor** to monitor system resources.

When you launch **Resource Monitor**, it will start to collect and display data. The data will be deleted when you quit the application. Resource data collected in the past will not be preserved.



The system resources include the following:

- **CPU Usage**: You can see the overall CPU usage as well as the CPU usage of each process in the order of decreasing CPU load. CPU load could be high when Resource Monitor is first launched, because the system needs to collect its resource data and load the UI page at the same time. Please note that keeping Resource Monitor launched will consume system resource.
- **Memory Usage**: Memory usage remains high because the system stores frequently accessed data in cache, so the data can be quickly obtained without accessing the hard drive. Cache memory will be released when overall memory is insufficient.
- **Network Flow**: The network flow chart displays the data sent and received rate in KB per second. If PPPoE is enabled, its transfer rate will also show up on the chart.

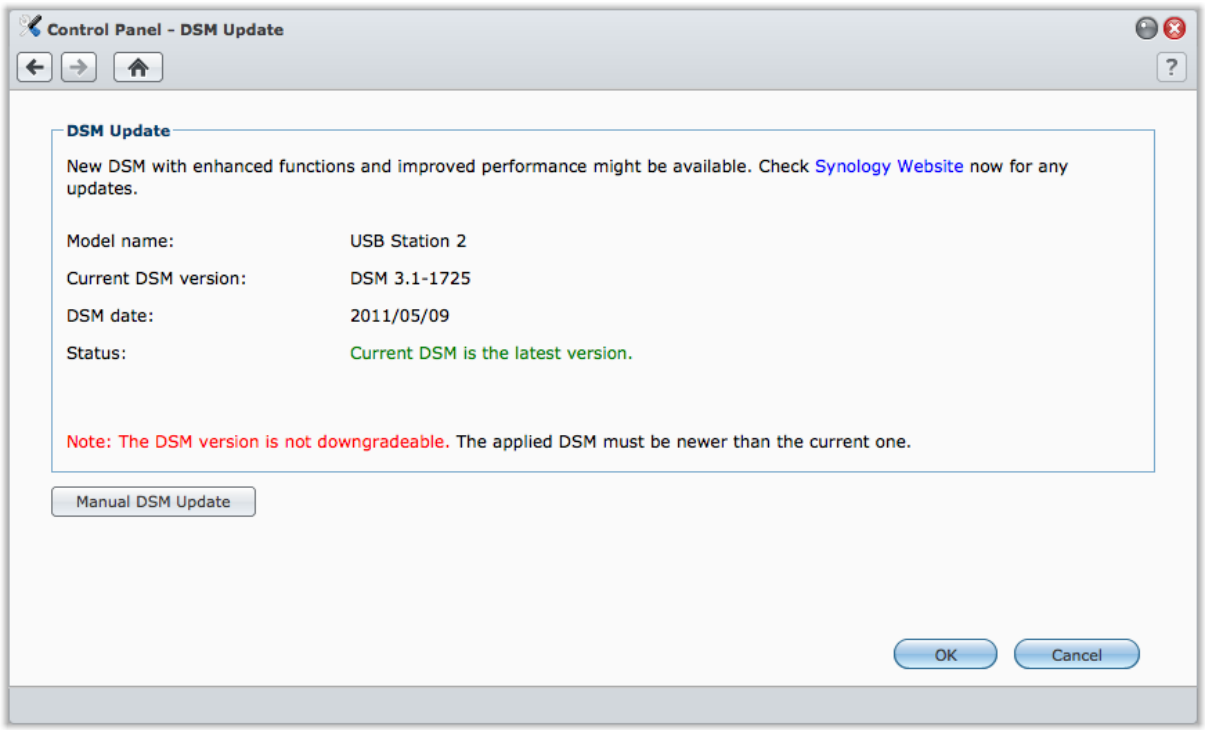
To see the details of any of the resources:

Click any of the resources to open a window that displays the details of resource usage.

Update DSM

Go to **Main Menu** > **Control Panel** > **DSM Update** to keep your USB Station 2 up to date.

Important: The data saved on the USB Station 2 will not be erased during the updating process. However, for security reason, we strongly recommend that you back up the data first.


Control Panel - DSM Update
DSM Update
New DSM with enhanced functions and improved performance might be available. Check Synology Website now for any updates.
Model name: USB Station 2
Current DSM version: DSM 3.1-1725
DSM date: 2011/05/09
Status: Current DSM is the latest version.
Note: The DSM version is not downgradeable. The applied DSM must be newer than the current one.
Manual DSM Update
OK
Cancel

To check if the latest DSM is available for download:

When you go to this page, the system will check available space on your external storage device. If there is at least 200MB of free space on your external storage device, the system will check with Synology Website for any updates. The check results (shown in the **Status** field) might be any of the following:

- Current DSM is the latest version.
- The latest [DSM_VERSION] is ready for download.

To have the system download the latest DSM and perform the update:

1. If the latest DSM is ready for download, click the **Download** link to have the system download the latest DSM for you.
2. The system will display any of the following desktop notifications to tell you whether the download is successful or not: **DSM Download Completed** or **DSM Download Failed**.
3. Click the desktop notification window to go to **DSM Update**.

4 Do any of the following:

- If DSM download completed, click **Update now** to start updating DSM immediately.
- If DSM download failed, click **Retry** to have the system download the latest DSM from Synology again.

Troubleshooting

If you see error messages (in red text) during checking or downloading the latest DSM, the following suggestions might help solve your problem:

- Make sure your USB Station 2 is connected to the Internet.
- Synology's download server might be busy at the moment. Retrying download at a later time might solve the problem.

If the problem remains, please contact Synology's **Technical Support**.

To perform manual DSM update:

1 Visit Synology's **Download Center** to download the latest .pat update file to your local computer.

2 Click **Manual DSM Update** to enter Manual DSM Update Page

3 Click **Browse** to select the update file.

4 Click **OK** to start to update your DSM.

The system will reboot automatically when the update completes.

Troubleshooting

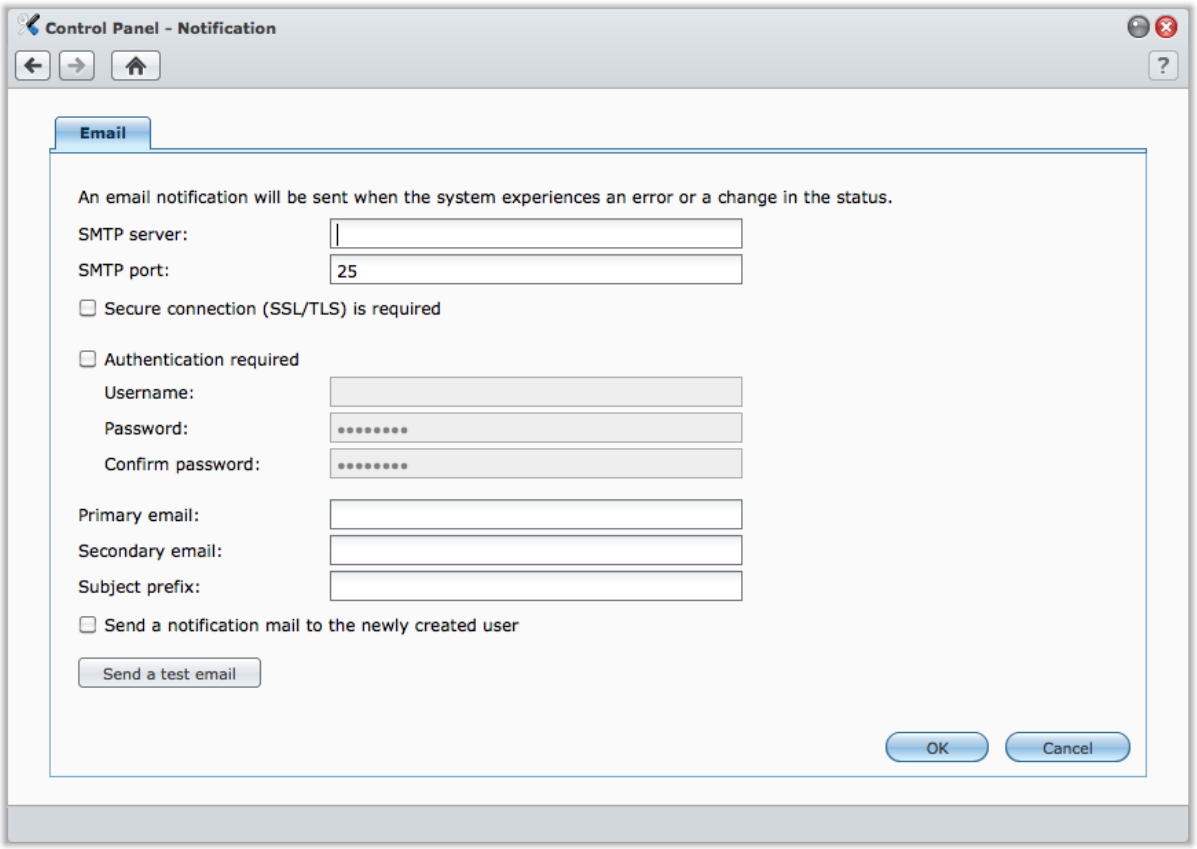
If you cannot update DSM, the following suggestions might help solve your problem:

- Check if the upgrading process was interrupted by users, or other unexpected events, such as a power failure.
- Check the DSM version. You can only update the system with a newer DSM version.
- Download the DSM update again because the update file might be corrupted.

If the problem remains, please contact Synology's **Technical Support**.

Receive Event Notification

Go to **Main Menu** > **Control Panel** > **Notification** and set up USB Station 2 to notify you via Email whenever an important event occurs (for example, status change, system error, or lost connection).



Receive Email Notification

Click the **Email** tab in the main section to set up email notification.

To set up Email notification:

1. Enter the SMTP server name or IP address.
2. By default, the SMTP port number is 25. Modify the number if you have specified a different SMTP port while setting up port forwarding rules.
3. If your SMTP server requires SSL/TLS connection, tick **Secure connection (SSL/TLS) is required**.
4. If your SMTP server requires authentication, tick **Authentication required**, and enter your username and password for the email server.
5. Enter the email address that will receive the notification mails in the **Primary email** or the **Secondary email** field.
6. Click **Send a test email** to see if your email settings are set up properly.
7. If you want to add a subject prefix in front of the notification mail subject, enter it in the **Subject prefix** field. The prefix helps you identify which Synology product the notification mail was sent from.

More Information

About SMTP server's domain name:

The SMTP server can be an IP address or a domain name. If it is a domain name, please make sure a valid DNS server IP has been entered at **Main Menu** > **Control Panel** > **Network**, and make sure the server is on the Internet.

Reset admin's Password

If you forgot the password for **admin** and are therefore unable to log in to DSM, you can reset the password to blank and set a new password.

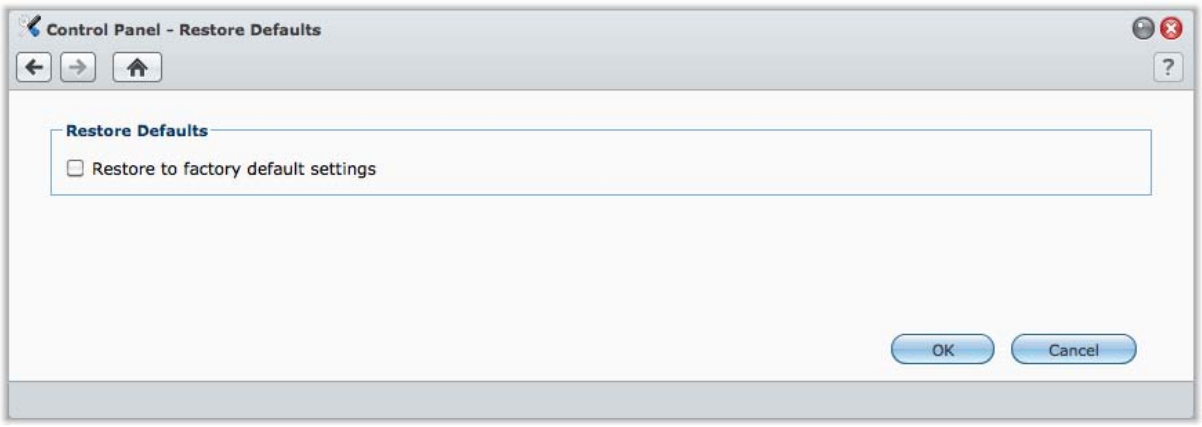
To reset admin's password:

Press and hold the **RESET** button on the back panel of your USB Station 2 for 4 seconds.

> ***Note:*** Other than resetting administrator's password, using the **RESET** button will also restore USB Station 2 to factory defaults.

Restore USB Station 2 to Factory Defaults

Go to **Main Menu** > **Control Panel** > **Restore Defaults** if you want to restore your USB Station 2 to factory defaults.

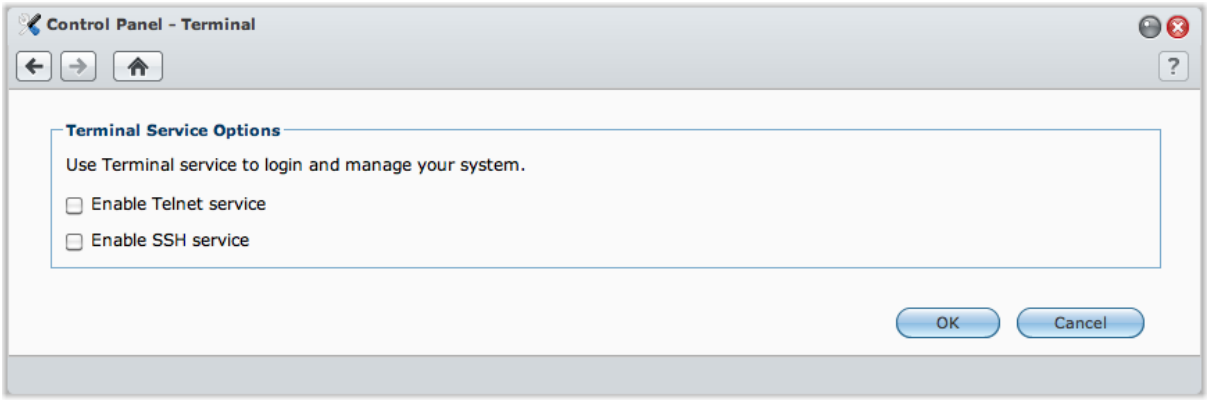


To restore USB Station 2:

Tick **Restore to factory default settings** checkbox and click **OK** to restore USB Station 2 to factory defaults while the data will be remained the same.

Enable Terminal Services

Go to **Main Menu** > **Control Panel** > **Terminal** to enable Terminal service, allowing you to use Telnet or SSH to log in to USB Station 2 and modify its settings.



To enable connection to USB Station 2 via Telnet or SSH:

1 Do any of the following:

- **If you want to enable the Telnet service,** tick **Enable Telnet service**.
- **If you want to enable the SSH service,** tick **Enable SSH service**.

> ***Note:*** When you disable the SSH service, all SSH tasks will be terminated immediately. If you disable the SSH service while performing a backup task, perform the task again after the SSH service is disabled.

2 Click **OK**.

> ***Important:*** Use the Terminal service with caution. Improper manipulation or modification to USB Station 2 may result in system malfunction or data loss.

Chapter

14

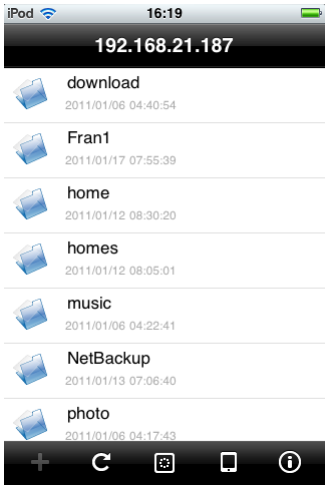
Communicate with Mobile Devices

As Internet access grows popular on mobile devices, Synology provides you with several creative alternatives to communicate with your USB Station 2 using iOS, Android, or other mobile devices.

Use iOS and Android Apps

The mobile apps designed by Synology are now available on Apple's App Store or Android Market, allowing you to communicate with USB Station 2 wherever wireless network access is available.

DS audio



DS file

DS finder

DS audio

DS audio allows you to access Audio Station with an iOS or Android phone and listen to your favorite music on the go. Besides, the remote controller feature allows you to control Audio Station's music playback when there is an audio output device connected to the USB port of your USB Station 2, such as a USB speaker, or an external speakers or home stereo equipment connected to the audio dock of Synology Remote (sold separately).

DS file

DS file allows you to access and manage USB Station 2 files with an iOS or Android device.

DS finder

DS finder allows you to monitor or email the status of your USB Station 2, and request it to restart with an iOS device.

> ***Note:*** For more information about those mobile Apps, refer to the Help files that come with the Apps..

Use Other Mobile Devices

If you have a mobile device running on Windows Mobile 6.0 (with Internet Explorer Mobile or Opera 9.0 or later), Symbian OS 9.1 (with S60 3rd Edition or later), or iPhone OS 2.3.1 or later, you can use the device to log in to USB Station 2 to read supported file formats with Mobile File Station around the world where Internet access is available.

Appendix

A

Specifications

For the most recent product specification, please visit **www.synology.com**.

USB Station 2

Model	USB Station 2
CPU	800 MHz
RAM	DDR2 128MB
External Interface	USB x 2
Max HDD Capacity	4TB (2TB USB Disk x 2)
LAN Port	Gigabit x 1
Size (HxWxD) (mm)	46 x 122 x 111
Weight (g)	147
Supported Clients	• Windows 2000 onward • Mac OS X 10.3 onward
Max. User Accounts	32
Max. Concurrent Connections	32
Supported File System	• EXT4 • EXT3 • FAT32 • NTFS
Agency Certifications	• FCC Class B • CE Class B • BSMI Class B
Event Notification	Yes
NTP	Yes
FTP over SSL/TLS	Yes
HTTPS Connection	Yes
Language Localization	• English • Deutsch • Français • Italiano • Español • Dansk • Norsk • Svensk • Nederlands • Русский • Polski • Magyar • Português do Brasil • Português Europeu • Türkçe • Český • 日本語 • 한국어 • 繁體中文 • 简体中文
Power Consumption And Environment Requirements	• Line voltage: 100V to 240V AC • Frequency: 50/60Hz • Operating Temperature: 40 to 95˚F (5 to 35˚C) • Storage Temperature: 15 to 155˚F (-10 to 70˚C) • Relative Humidity: 5% to 95% RH • Maximum Operating Altitude: 10000 feet (3048m)

Limitations

- Each USB Station 2 supports up to 2 USB printers.
- For Mac users, USB Station 2 only supports USB printers with PostScript.

Appendix

B

LED Indication Tables

USB Station2

LED Indication	Color	Status	Description
LAN	Green	Static	Gigabit Link
		Blinking	Network is active
		Off	Network is down
USB DISK	Green	Static	USB Disk is normal
		Blinking	USB Disk is being accessed
		Off	No USB Disk
	Orange	Static	USB Disk error
POWER	Green	Static	Power ready
		Blinking	Booting up
		Off	Power off

Troubleshooting

For any questions about managing your USB Station 2, go to **Main Menu** > **DSM Help** or click the **Help** button (with a question mark) at the top-right corner of every window. For any questions other than that, please visit Synology Inc. website **www.synology.com** for further assistance.

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4.4 Applicable Law. Unless expressly prohibited by local law, this Warranty is governed by the laws of the State of Washington, U.S.A. without regard to any conflict of law principles to the contrary. The 1980 U.N. Convention on Contracts for the International Sale of Goods or any successor thereto does not apply.

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4.6 Attorneys' Fees. In any arbitration, mediation, or other legal action or proceeding to enforce rights or remedies under this Warranty, the prevailing party will be entitled to recover, in addition to any other relief to which it may be entitled, costs and reasonable attorneys' fees.

4.7 Export Restrictions. You acknowledge that the Product may be subject to U.S. export restrictions. You will comply with all applicable laws and regulations that apply to the Product, including without limitation the U.S. Export Administration Regulations.

4.8 Severability. If any provision of this Warranty is held by a court of competent jurisdiction to be invalid, illegal, or unenforceable, the remainder of this Warranty will remain in full force and effect.

4.9 Entire Agreement. This Warranty constitutes the entire agreement, and supersedes any and all prior agreements, between Synology and Customer related to the subject matter hereof. No amendment, modification or waiver of any of the provisions of this Warranty will be valid unless set forth in a written instrument signed by the party to be bound thereby.